

Fully flat cassette Air Conditioning Technical Data FFA-A9



FFA25A2VEB9
FFA35A2VEB9
FFA50A2VEB9
FFA60A2VEB9

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FFA-A9

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1 Features

1 - 1 FFA-A9

Unique design in the market that integrates fully flat into the ceiling

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- › Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- › Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- › 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
- › Two optional intelligent sensors improve energy efficiency and comfort
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Standard drain pump with 630mm lift increases flexibility and installation speed



Infrastructure cooling



Inverter



Presence & floor sensor



Home leave operation



Fan only



Draught prevention



Auto cooling-heating changeover



Whisper quiet



Ceiling soiling prevention



Individual flap control



Vertical auto swing



Fan speed steps



Dry programme



Air filter



Weekly timer



Infrared remote control



Wired remote control



Centralised control

1 Features

1 - 1 FFA-A9



Online
controller via
app



Auto-restart



Self diagnosis



Drain pump
kit



Twin/triple/
double twin
application



Multi model
application



VRV for
residential
application

1

2 Specifications

1 - 1 FFA-A9

2

Technical specifications					FFA25A9		FFA35A9		FFA50A9		FFA60A9	
Casing	Material				Galvanised steel plate							
Dimensions	Unit	Height	mm		260							
		Width	mm		575							
		Depth	mm		575							
	Packed unit	Height	mm		280							
		Width	mm		686							
		Depth	mm		597							
Weight	Unit	kg		16.0				17.5				
	Packed unit	kg		18.0				19.0				
Heat exchanger	Inside length		mm		1,295				1,248			
	Outside length		mm		1,342							
	Rows	Quantity		2				3				
	Fin pitch		mm		1.20							
	Passes	Quantity		5.0				7.6				
	Face area		m²		0.29				0.30			
	Stages	Quantity		16								
	Fin	Type		Cross fin coil (multi slit fins and hi-XA tubes)								
Fan	Model		QTS32D15M									
	Type		Turbo fan									
	Quantity		1									
	Air flow rate	Cooling	High	m³/min	9.0	10.0		12.7		14.5		
				cfm	318	353		448		512		
			Medium	m³/min	8.0	8.5		10.9		12.5		
				cfm	282	300		385		442		
			Low	m³/min	6.5		8.6		9.5			
				cfm	230		304		336			
		Heating	High	m³/min	9.0	10.0		12.7		14.5		
				cfm	318	353		448		512		
			Medium	m³/min	8.0	8.5		10.9		12.5		
				cfm	282	300		385		442		
			Low	m³/min	6.5		8.6		9.5			
				cfm	230		304		336			
Fan motor	Quantity		1									
	Model		ARW5216DK									
	Speed	Steps	3									
Fan motor	Speed	Cooling	High	rpm	653		793		900			
			Low	rpm	447		538		581			
		Heating	High	rpm	653		793		900			
			Low	rpm	447		538		581			
	Output	High	W		50							
	Sound power level	Cooling			dBA	48.0	51.0		56.0		60.0	
Sound pressure level	Cooling	High			dBA	31.0	34.0		39.0		43.0	
		Medium			dBA	28.5	30.5		34.0		40.0	
		Low			dBA	25.0		27.0		32.0		
	Heating	High			dBA	31.0	34.0		39.0		43.0	
		Medium			dBA	28.5	30.5		34.0		40.0	
		Low			dBA	25.0		27.0		32.0		
Refrigerant	Type		R-32 / R-410A									
Piping connections	Sound absorbing insulation			Foamed polyurethane								
	Liquid	Type		Flare connection								
		OD	mm		6							
	Gas	Type		Flare connection								
		OD	mm		9.52				12.70			
	Drain				VP20 (I.D. 20/O.D. 26)							
Decoration panel	Heat insulation			Foamed polystyrene/polyethylene								
	Model			BYFQ60C2W1W								
	Colour			White (N9.5)								
	Dimen-sions	Height	mm	46								
		Width	mm	620								
		Depth	mm	620								
Weight	kg			2.8								
Decoration panel 2	Model			BYFQ60C2W1S								
	Colour			SILVER								
	Dimen-sions	Height	mm	46								
		Width	mm	620								
		Depth	mm	620								
	Weight	kg			2.8							

2 Specifications

1 - 1 FFA-A9

Technical specifications				FFA25A9	FFA35A9	FFA50A9	FFA60A9
Decoration panel 3	Model			BYFQ60B2W1			
	Colour			White (RAL9010)			
	Dimen- sions	Height	mm	55			
		Width	mm	700			
		Depth	mm	700			
	Weight			kg2.7			
Decoration panel 4	Model			BYFQ60B3W1			
	Colour			WHITE (RAL9010)			
	Dimen- sions	Height	mm	55			
		Width	mm	700			
		Depth	mm	700			
	Weight			kg2.7			
Air filter	Type			Resin net			
Control systems	Infrared remote control			BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control			BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7			

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

Standard accessories: Drain hose; Quantity: 1;

Standard accessories: Hose band; Quantity: 1;

Standard accessories: Washer for hanger bracket; Quantity: 8;

Standard accessories: Screws; Quantity: 4;

Standard accessories: Thermal insulation tube; Quantity: 2;

Standard accessories: Sealing material; Quantity: 4;

Standard accessories: Tie-wraps; Quantity: 7;

Electrical specifications			FFA25A9	FFA35A9	FFA50A9	FFA60A9
Power supply	Phase		1~			
	Frequency		Hz	50		
	Voltage		V	220-240		

3 Safety device settings

3 - 1 Safety Device Settings

FFA-A9

3

Safety devices		FFA25-60A2VEB(9)
PCB fuse		250V, 3.15A
PCB fuse (fan driver)		---
Fan motor overcurrent protection	Nominal	0.74A
Fan motor thermal protector	Maximum	108°C
Drain pump fuse		---

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Options

4 - 1 Options

FFA-A9

Option kit	Product name	Compatibility					Availability SA
		BYFQ60B2W1 BYFQ60B3W1	BYFQ60C2W1W	BYFQ60C2W1S	BYFQ60C4W1W	BYFQ60C4W1S	
Decoration panel - Standard	BYFQ60B2W1	-	-	-	-	-	✓
Decoration panel - Standard	BYFQ60B3W1	-	-	-	-	-	✓
Decoration panel - White	BYFQ60C2W1W	-	-	-	-	-	✓
Decoration panel - Silver	BYFQ60C2W1S	-	-	-	-	-	✓
Decoration panel - White	BYFQ60C4W1W (14)	-	-	-	-	-	✓
Decoration panel - Silver	BYFQ60C4W1S (14)	-	-	-	-	-	✓
Conversion wire harness	EKRS22	No	No	No	Yes	Yes	✓
Sensor kit - White	BRVQ60A2W(3)	No	Yes	No	Yes	No	✓
Sensor kit - Silver	BRVQ60A2S(3)	No	No	Yes	No	Yes	✓
Air discharge outlet sealing member	BDBHQ44C60	Yes	Yes	Yes	Yes	Yes	✓
Panel spacer	KDBQ44B60	Yes	No	No	No	No	✓
Long-life replacement filter	KAF441C60	Yes	Yes	Yes	Yes	Yes	✓
Fresh air intake kit	KDDQ44XA60	Yes	Yes	Yes	Yes	Yes	✓
Remote control Infrared type HP	BRC7EB530W(1)(2)	Yes	No	No	No	No	✓
Remote control Infrared type -HP White	BRC7F530W(1)(2)	No	Yes	No	Yes	No	✓
Remote control Infrared type -HP Silver	BRC7F530S(1)(2)	No	No	Yes	No	Yes	✓
Wired remote control	BRC1D528(2), BRC1H51(9)W/S/K, BRC1H81W/S	Yes	Yes	Yes	Yes	Yes	✓
Wired remote control	BRC1E53A7(8)/BRC1E53B7(9)/BRC1E53C7(10)(11)	Yes	Yes	Yes	Yes	Yes	✓
Simplified remote control (with operation mode selector button)	BRC2E52C7(5)(11)	Yes	Yes	Yes	Yes	Yes	✓
Simplified remote control (without operation mode selector button)	BRC3E52C7(5)(11)	Yes	Yes	Yes	Yes	Yes	✓
Central remote control	DCS302B51	Yes	Yes	Yes	Yes	Yes	✓
Unified ON/OFF controller	DCS301B51	Yes	Yes	Yes	Yes	Yes	✓
Schedule timer	DST301B51	Yes	Yes	Yes	Yes	Yes	✓
Wiring adaptor for electrical appendices	KRP1B57	Yes	Yes	Yes	Yes	Yes	✓
Wiring adaptor for electrical appendices	KRP4A53	Yes	Yes	Yes	Yes	Yes	✓
Wiring adaptor (hour meter)	EKRP1B2	Yes	Yes	Yes	Yes	Yes	✓
Installation box for adaptor PCB	KRP1B101, KRP1BA101	Yes	Yes	Yes	Yes	Yes	✓
Remote sensor	KRCS01-4B	Yes	Yes	Yes	Yes	Yes	✓
ITouch Controller	DCS601CS1	Yes	Yes	Yes	Yes	Yes	✓
Centralised control systems	DCM601A51	Yes	Yes	Yes	Yes	Yes	✓
Intelligent touch controller	DCM601A5A	Yes	Yes	Yes	Yes	Yes	✓
Digital input adaptor	BRP7A53(6)	Yes	Yes	Yes	Yes	Yes	✓
Wi-Fi adaptor for smartphones	BRP069A81(13)	Yes	Yes	Yes	Yes	Yes	✓

Notes

- ① The sensing function is not available.
- ② The independently-controllable-flaps function is not available.
- ③ This option cannot be used with -RR- and -RQ- models.
- ④ The independently-controllable-flaps function is not available in combination with -RR- and -RQ- models.
- 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 Only possible in combination with remote control -BRC2/3E52C7, BRC1E53A/B/C7, BRC1H51(9)W/S/K, BRC1H81W/S-.
- ⑦ Requires installation box for adaptor PCB
- ⑧ Included languages are: English, German, French, Italian, Spanish, Portuguese, and Dutch.
- ⑨ Included languages are: English, Czech, Croatian, Hungarian, Slovenian, Romanian, and Bulgarian.
- ⑩ Included languages are: English, Russian, Greek, Turkish, Polish, Albanian, and Slovak.
- ⑪ Language pack -3- of controller -BRC1E53C7- is different from that of controller -BRC2/3E52C7-.
- ⑫ Editable data for this drawing are available in the -GDE (E-BOM)- system.
- ⑬ Only possible in combination with wired or wireless remote control (e.g. -BRC1E*, BRC1H*, BRC7FA*).
- ⑭ Only possible in combination with -EKRS22-.

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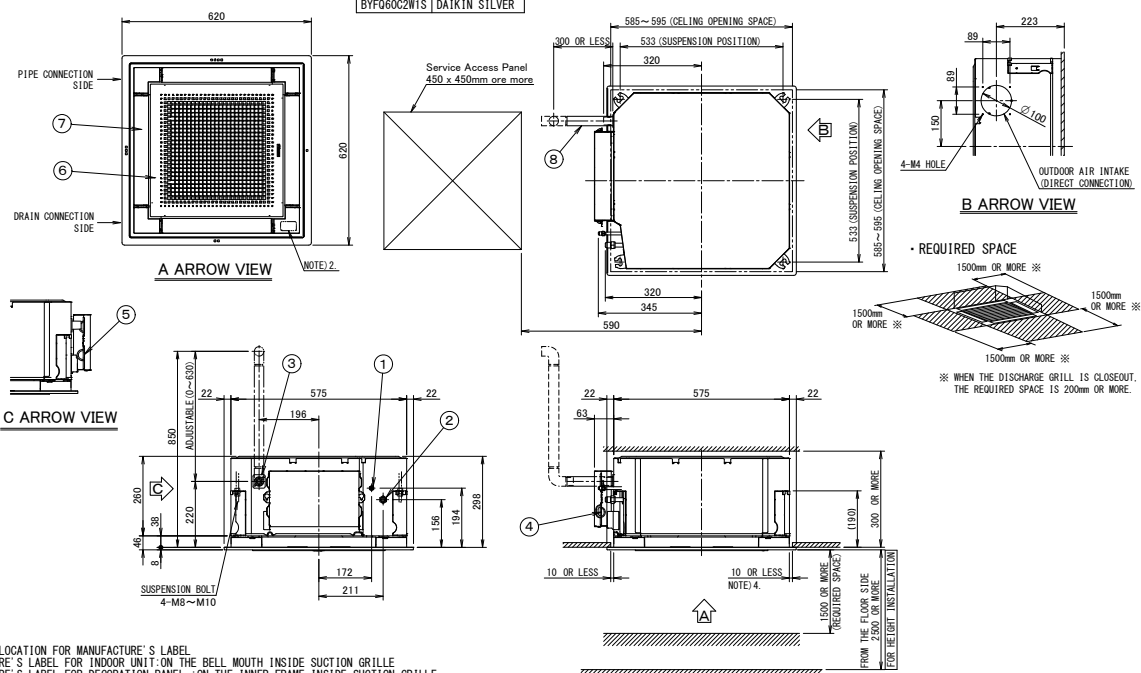
5 Dimensional drawings

5 - 1 Dimensional Drawings

FFA25-35A9

- DECORATION PANEL

BYFQ60C2W1W	FRESH WHITE N9.5
BYFQ60C2W1S	DAIKIN SILVER



NOTE) 1. STICKING LOCATING FOR MANUFACTURE'S LABEL
MANUFACTURE'S LABEL FOR INDOOR UNIT ON THE BELL MOUTH INSIDE SUTURE GRILLE
MANUFACTURE'S LABEL FOR DECORATION PANEL ON THE INNER FRAME INSIDE SUTURE GRILLE
2. IN CASE OF USE OF REMOTE CONTROLLER, REMOTE CONTROLLER FOR THIS POSITION WILL BE A SIGNAL RECEIVER
REFER TO THE DRAWING OF WIRELESS REMOTE CONTROLLER IN DETAIL.
3. WHEN THE TEMPERATURE AND HUMIDITY IN THE CEILING EXCEED 30°C AND RH 80% OR THE FRESH AIR
INTAKE RATE OF THE MAIN UNIT IS 100% OR MORE, THE REMOTE CONTROLLER OPERATION OF THE MAIN UNIT
INSULATION (THICKNESS 10mm OR MORE OF GLASSWOOL OR POLYETHYLENE FORM) IS REQUIRED.
THOUGH THE INSTALLATION IS ACCEPTABLE UP TO MAXIMUM OF 595mm SQUARE CEILING OPENING.
4. THE CLEARANCE BETWEEN THE MAIN UNIT AND THE MAIN UNIT AND THE CEILING OPENING SO THAT
THE PANEL OVERLAP ALLOWANCE CAN BE ENSURED

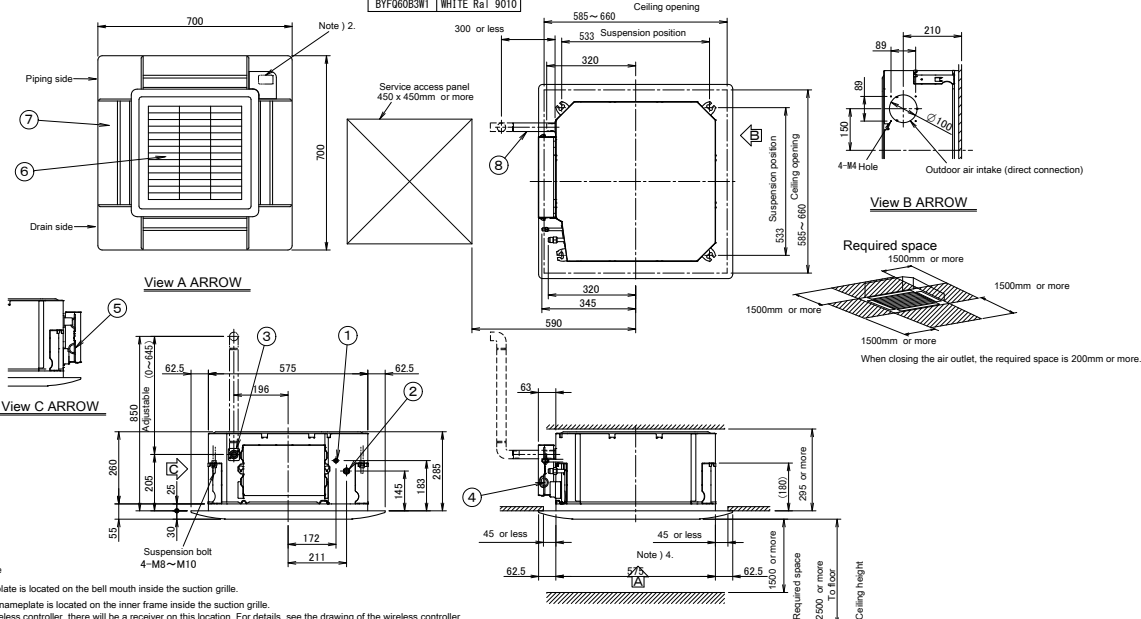
ITEM	PART NAME	REMARK	ITEM	PART NAME	REMARK
1	LIQUID PIPE CONNECTION	φ 6.4 (FRARE CONNECTION)	5	REMOTE CONTROL CODE AND CONTROL WIRING CONNECTION	
2	GAS PIPE CONNECTION	φ 9.5 (FRARE CONNECTION)	6	AIR DISCHARGE GRILL	
3	DRAIN PIPE CONNECTION	VP20 (O. D. φ 26)	7	SUCTION GRILL	
4	POWER SUPPLY CONNECTION		8	DRAIN HOSE (ACCESSORY)	1 D. φ 25 (OUTLET)

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FFA25-35A9

Decoration panel

BYFQ60B2W1	WHITE RaI 9010
BYFQ60B3W1	WHITE RaI 9010



Note)

1. Location of nameplate
- 4-M8~M10
- 211
- The indoor unit nameplate is located on the bell mouth inside the suction grille.
- The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥10mm) is required:
- Ambient conditions in the ceiling ≥ 30°C and 80% relative humidity.
- Fresh air is inducted into the ceiling. The unit operates continuously.
4. Though the installation is acceptable up to maximum 660mm square ceiling opening, keep the clearance of 45mm or less between the indoor unit and the ceiling opening, so that the panel overfilling allowance can be ensured.

Item	Part name	Remark	Item	Part name	Remark
1	Liquid pipe connection	ø 6.4 Flare connection	5	Remote control wiring i	
2	Gas pipe connection	ø 9.5 Flare connection	6	Air discharge grille	
3	Braint pipe connection	VP20 (O. D. ø 26)	7	Air suction grille	
4	Power supply vol		8	Drain hose Accessory	1 D. ø 25 Outlet

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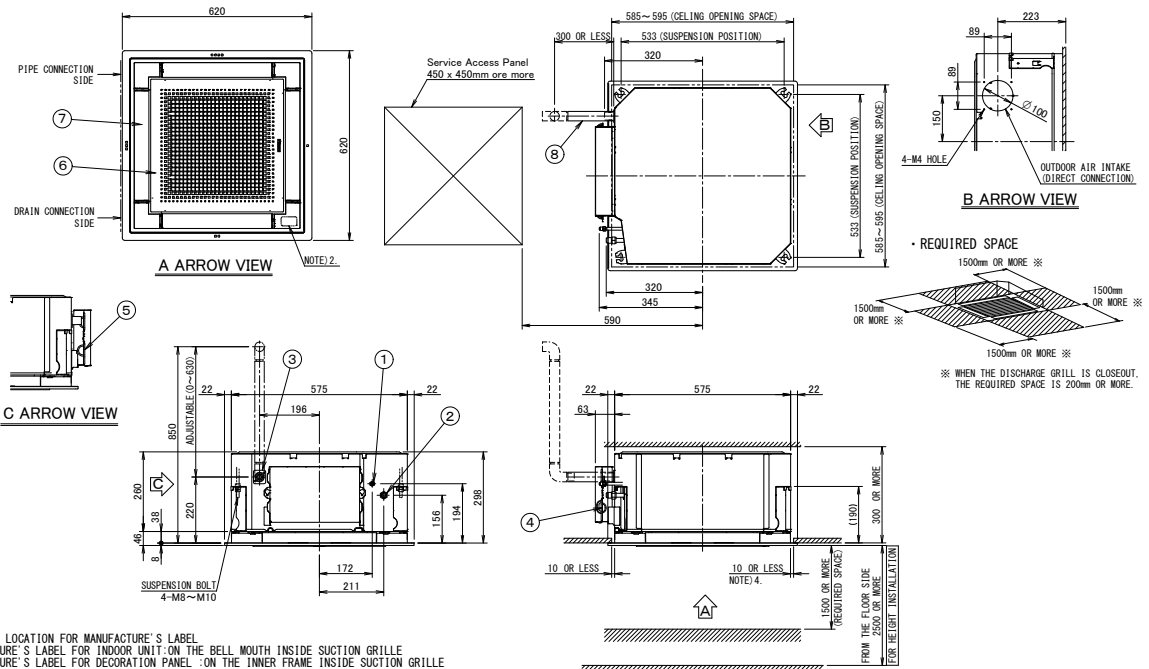
5 Dimensional drawings

5 - 1 Dimensional Drawings

FFA50-60A9

• DECORATION PANEL

BYF060C2W1W FRESH WHITE N9.5
BYF060C2W1S DAIKIN SILVER



- NOTE 1. STICKING LOCATION FOR MANUFACTURE'S LABEL
MANUFACTURE'S LABEL FOR INDOOR UNIT ON THE BELL MOUTH INSIDE SUCTION GRILLE
MANUFACTURE'S LABEL FOR DECORATION PANEL ON THE INNER FRAME INSIDE SUCTION GRILLE
2. IN CASE OF USING WIRELESS REMOTE CONTROLLER, THIS POSITION WILL BE A SIGNAL RECEIVER. REFER TO THE DRAWING OF WIRELESS REMOTE CONTROLLER IN DETAIL.
3. WHEN THE TEMPERATURE AND HUMIDITY IN THE CEILING EXCEED 30°C AND RH 80% OR THE FRESH AIR IS INDUCED INTO THE CEILING OR THE UNIT CONTINUES 24 HOUR OPERATION, AN ADDITIONAL INSULATION (THICKNESS 10mm OR MORE OF GLASSWOOL OR POLYETHYLENE FORM) IS REQUIRED.
4. THOUGH THE INSTALLATION IS ACCEPTABLE UP TO MAXIMUM OF 595mm SQUARE CEILING OPENING, KEEP THE CLEARANCE OF 10mm OR LESS BETWEEN THE MAIN UNIT AND THE CEILING OPENING SO THAT THE PANEL OVERLAP ALLOWANCE CAN BE ENSURED.

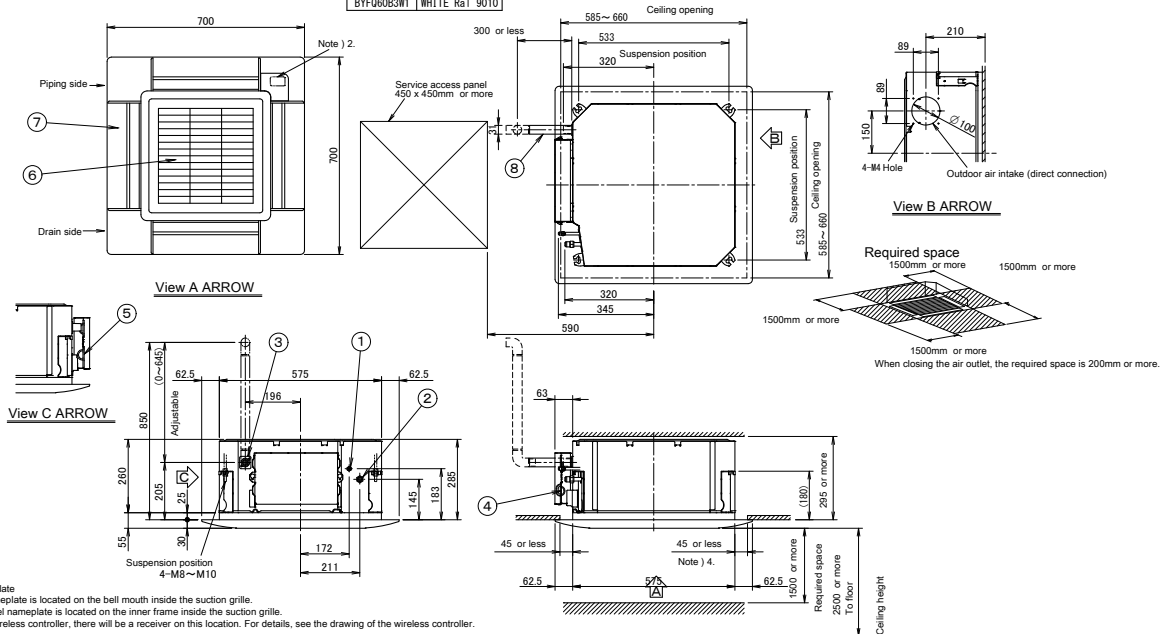
ITEM	PART NAME	REMARK	ITEM	PART NAME	REMARK
1	LIQUID PIPE CONNECTION	φ6.4 (FLARE CONNECTION)	5	REMOTE CONTROL CODE AND CONTROL WIRING CONNECTION	
2	GAS PIPE CONNECTION	φ12.7 (FLARE CONNECTION)	6	AIR DISCHARGE GRILLE	
3	DRAIN PIPE CONNECTION	VP20 (O.D. φ26)	7	SUCTION GRILLE	
4	POWER SUPPLY CONNECTION		8	DRAIN HOSE (ACCESSORY)	I.D. φ25 (OUTLET)

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FFA50-60A9

Decoration panel

BYF060B2W1 WHITE Ral 9010
BYF060B3W1 WHITE Ral 9010



- Note)
1. Location of nameplate
The indoor unit nameplate is located on the bell mouth inside the suction grille.
The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥10mm) is required:
Ambient conditions in the ceiling ≥30°C and 80% relative humidity.
Fresh air is induced into the ceiling.
The unit operates continuously.

4. Though the installation is acceptable up to maximum 660mm square ceiling opening, keep the clearance of 45mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

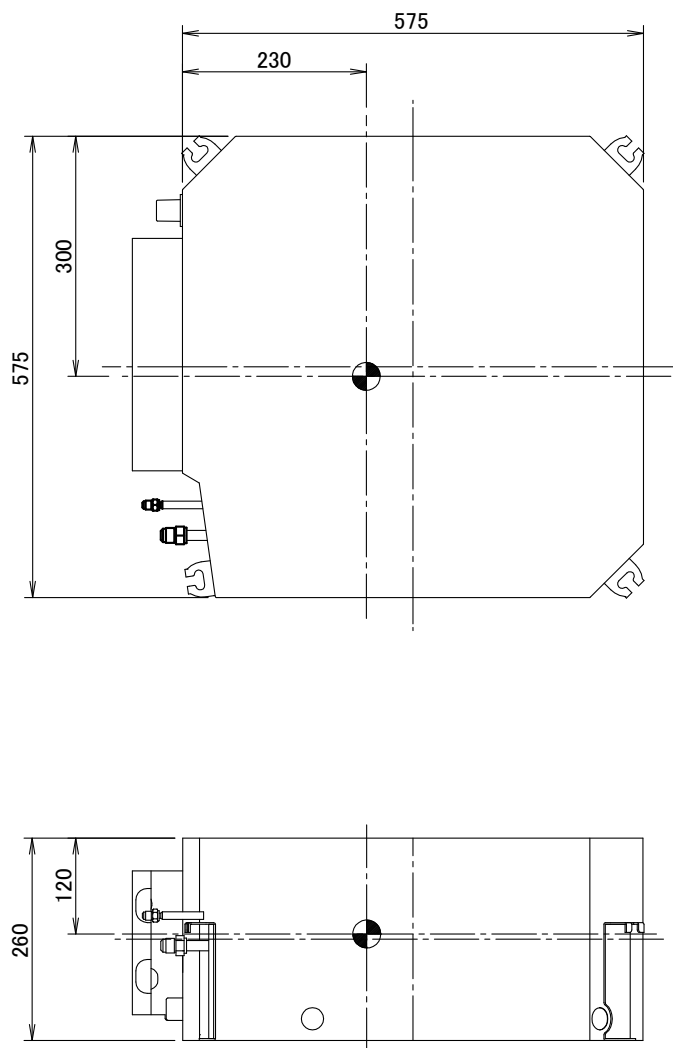
Item	Part name	Remark	Item	Part name	Remark
1	Liquid pipe connection	φ6.4 Flare connection	5	Air discharge grille	
2	Gas pipe connection	φ12.7 Flare connection	6	Air suction grille	
3	Drain pipe connection	VP20 (O.D. φ26)	7	Drain hose Accessory	I.D. φ25 Outlet
4	Power supply		8		

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6 Centre of gravity

6 - 1 Centre of Gravity

FFA-A9



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7 Piping diagrams

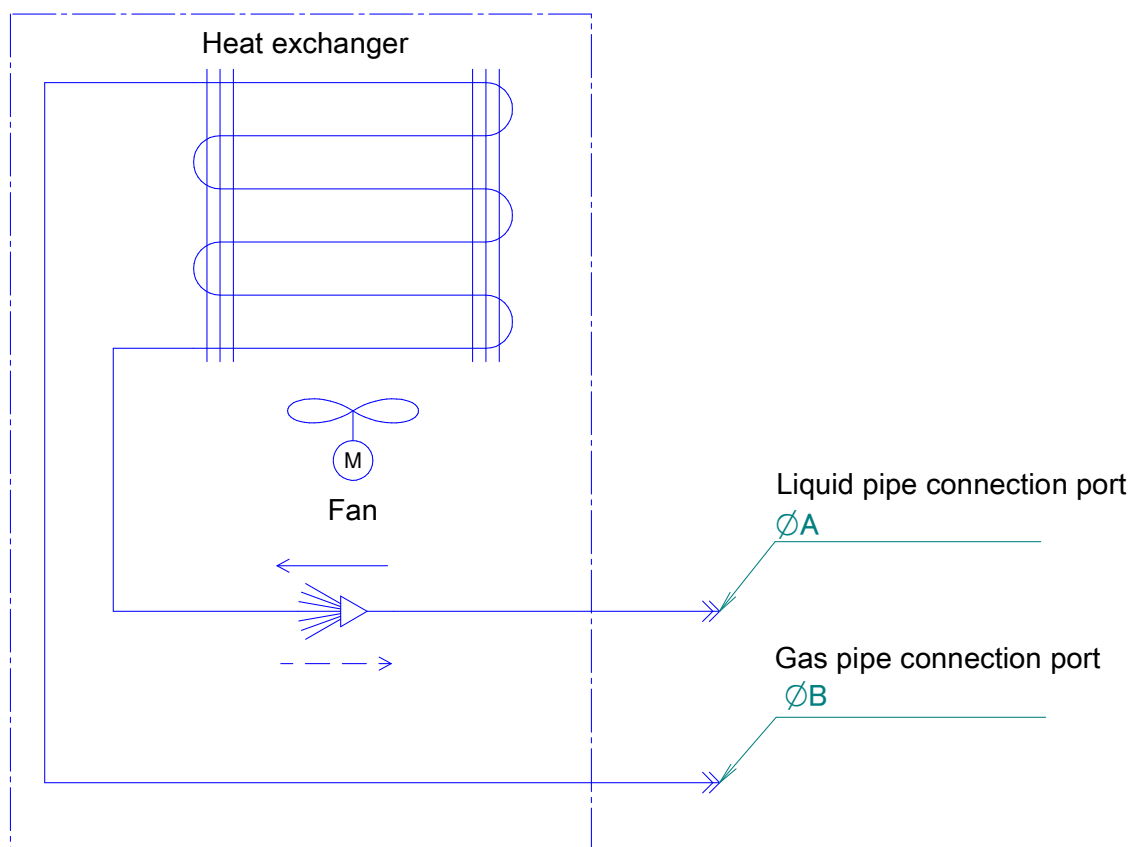
7 - 1 Piping Diagrams

FFA-A9

Model	A	B
FFQ25C2VEB	6.35	9.52
FFQ35C2VEB		
FFQ50C2VEB		12.7
FFQ60C2VEB		
FFA25A2VEB(9)		9.52
FFA35A2VEB(9)		
FFA50A2VEB(9)		12.7
FFA60A2VEB(9)		

Refrigerant flow

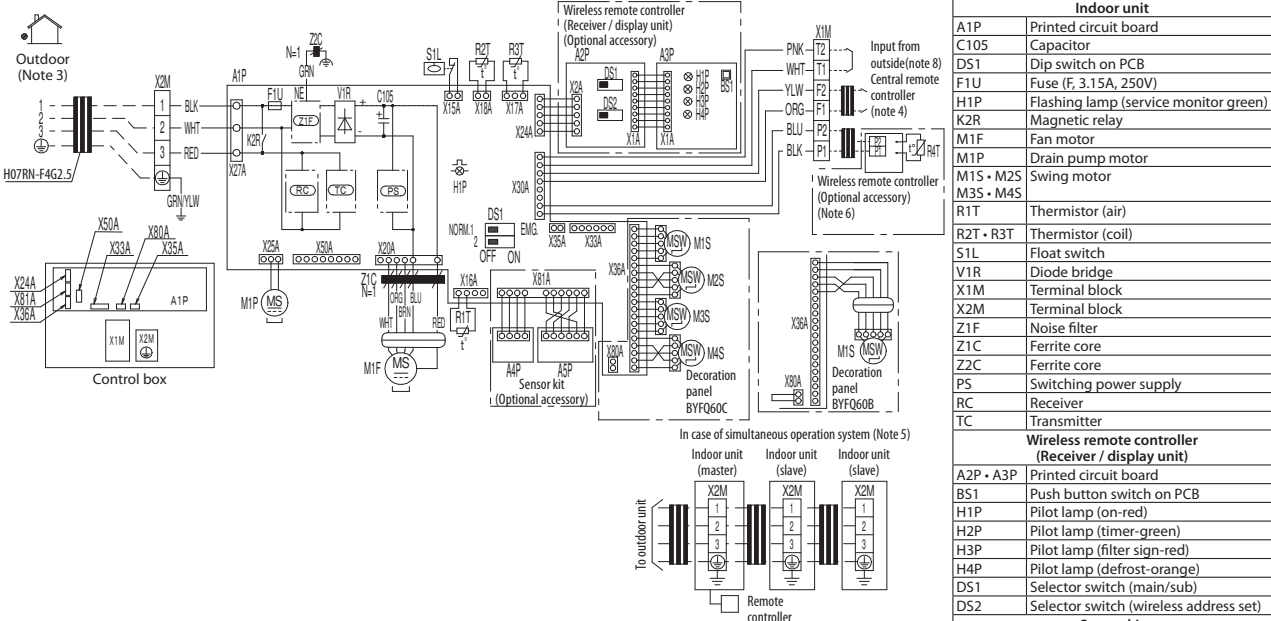
Cooling ———→
Heating - - - ->



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8 - 1 Wiring Diagrams - Three Phase

Wiring diagram



1. : Terminal block, : Connector, : Field wiring
2. In case of simultaneous operation indoor unit system, see the indoor unit wiring only.
3. For the detail, see wiring diagram attached to outdoor unit.
4. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
5. In case of simultaneous operation system, connection quantity of the indoor units varies according to the connection outdoor unit, confirm technical guide and catalog, etc. Before connecting.
6. In case of main/sub chnageover, see the installation manual attached to remote controller.
7. Symbols show as follows: BLK: black, RED: red, BLU: blue, WHT: white, YLW: yellow, GRN: green, ORG: orange, BRN: brown, PNK: pink.
8. When connecting the input wiring from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. See installation manual for more details.

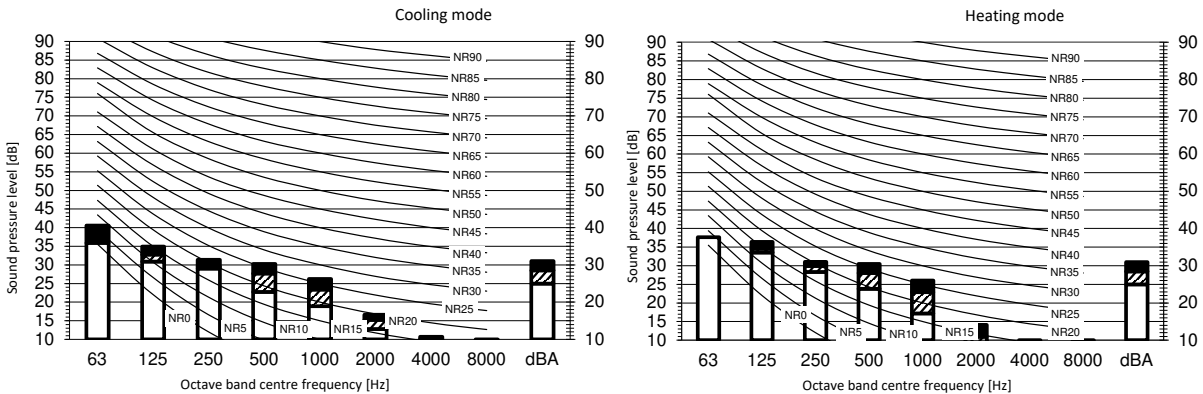
Indoor unit	
A1P	Printed circuit board
C10S	Capacitor
DS1	Dip switch on PCB
F1U	Fuse (F, 3.15A, 250V)
H1P	Flashing lamp (service monitor green)
K2R	Magnetic relay
M1F	Fan motor
M1P	Drain pump motor
M1S • M2S M3S • M4S	Swing motor
R1T	Thermistor (air)
R2T • R3T	Thermistor (coil)
S1L	Float switch
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Z1F	Noise filter
Z1C	Ferrite core
Z2C	Ferrite core
PS	Switching power supply
RC	Receiver
TC	Transmitter
Wireless remote controller (Receiver / display unit)	
A2P • A3P	Printed circuit board
BS1	Push button switch on PCB
H1P	Pilot lamp (on-red)
H2P	Pilot lamp (timer-green)
H3P	Pilot lamp (filter sign-red)
H4P	Pilot lamp (defrost-orange)
DS1	Selector switch (main/sub)
DS2	Selector switch (wireless address set)
Sensor kit	
A4P	Printed circuit board
A5P	Printed circuit board
Wired remote controller	
R4T	Thermistor (air)
Connector for optional parts	
X24A	Connector (wiring remote controller)
X33A	Connector (adaptor for wiring)
X35A	Connector (power supply for adaptor)
X50A	Connector (WLAN adaptor)
X81A	Connector (sensor kit)

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9 Sound data

9 - 1 Sound Pressure Spectrum

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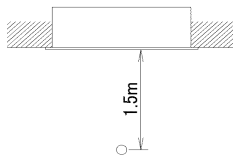
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling Total dB			
A	B	C	D
dBA	31,0	28,5	25,0

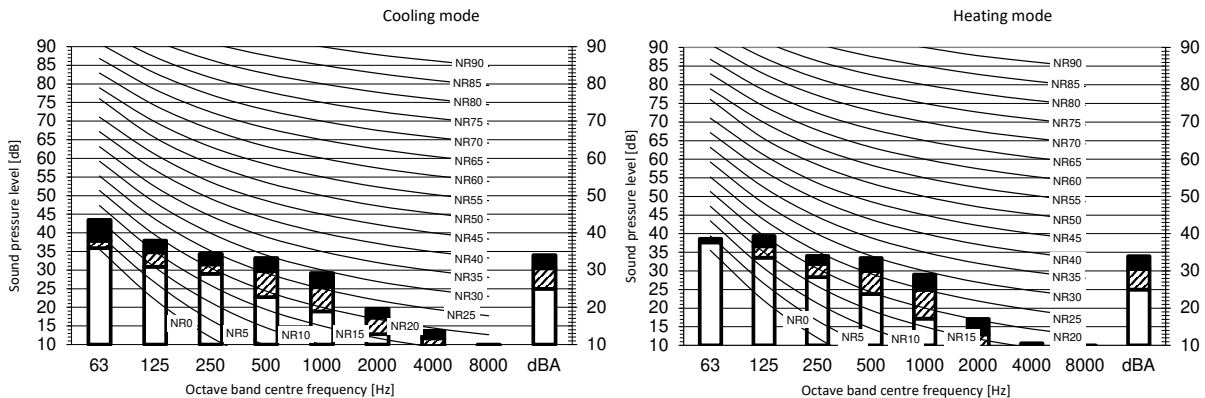
Heating Total dB			
A	B	C	D
dBA	31,0	28,5	25,0

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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FFA35A9



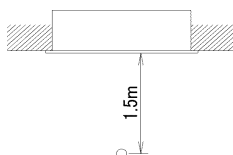
Legend

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	34,0	30,5	25,0

Heating Total dB			
A	B	C	D
dBA	34,0	30,5	25,0

Notes

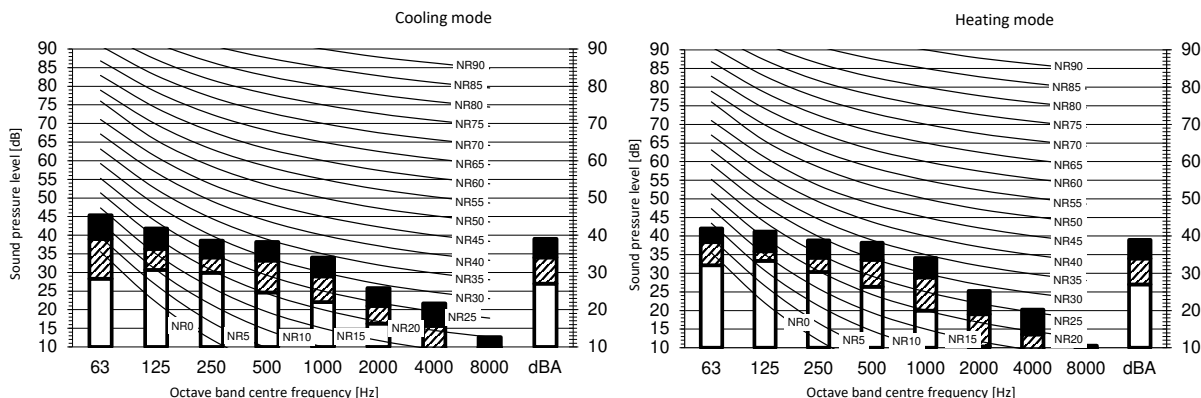
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D109999A

9 Sound data

9 - 1 Sound Pressure Spectrum

FFA50A9

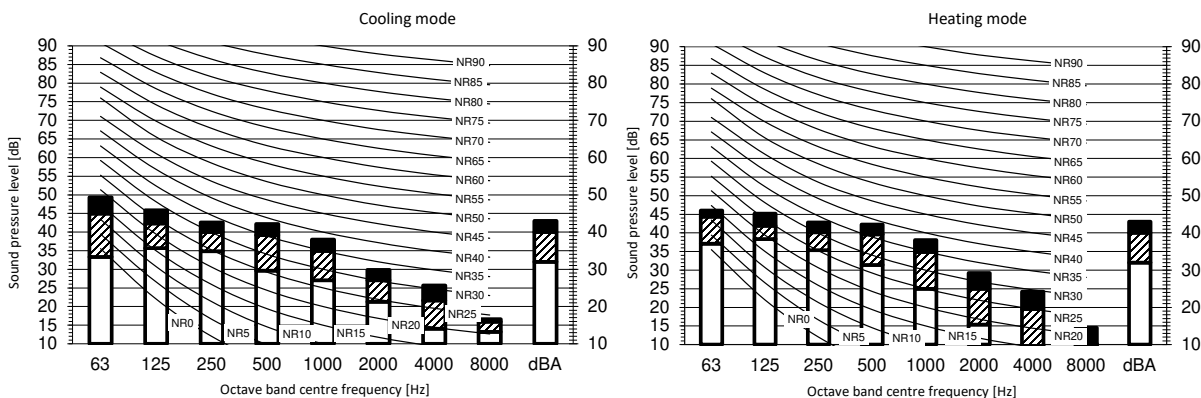


Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	39,0	34,0	27,0	dBA	39,0	34,0	27,0

- 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

3D110000A

FFA60A9



Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	43,0	40,0	32,0	dBA	43,0	40,0	32,0

- 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

3D110001A

10 Air flow patterns

10 - 1 Air Flow Pattern - Cooling

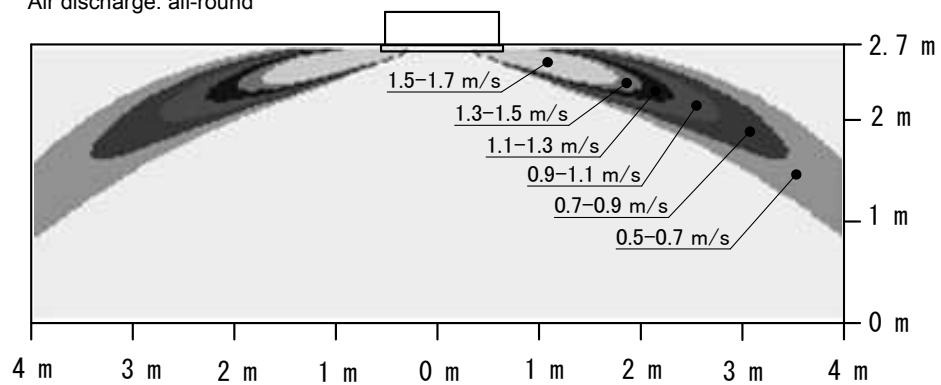
FFA25A9

10

Air velocity distribution (cooling)

Air flow direction: horizontal

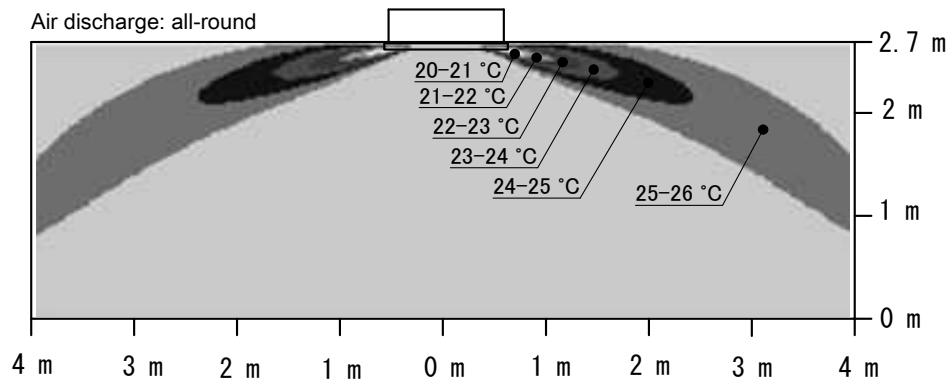
Air discharge: all-round



Air temperature distribution (cooling)

Air flow direction: horizontal

Air discharge: all-round



4D083819A

10 Air flow patterns

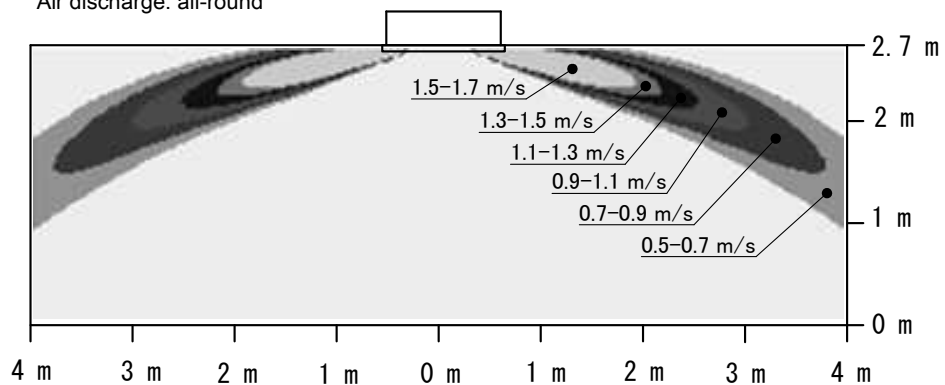
10 - 1 Air Flow Pattern - Cooling

FFA35A9

Air velocity distribution (cooling)

Air flow direction: horizontal

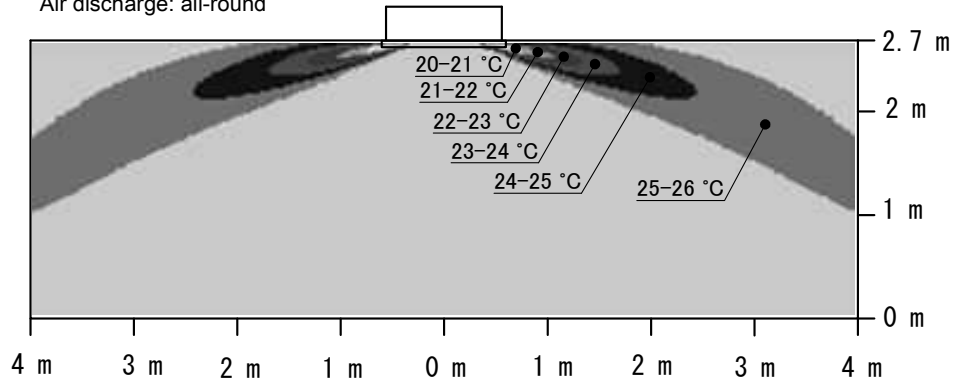
Air discharge: all-round



Air temperature distribution (cooling)

Air flow direction: horizontal

Air discharge: all-round



4D083820A

10 Air flow patterns

10 - 1 Air Flow Pattern - Cooling

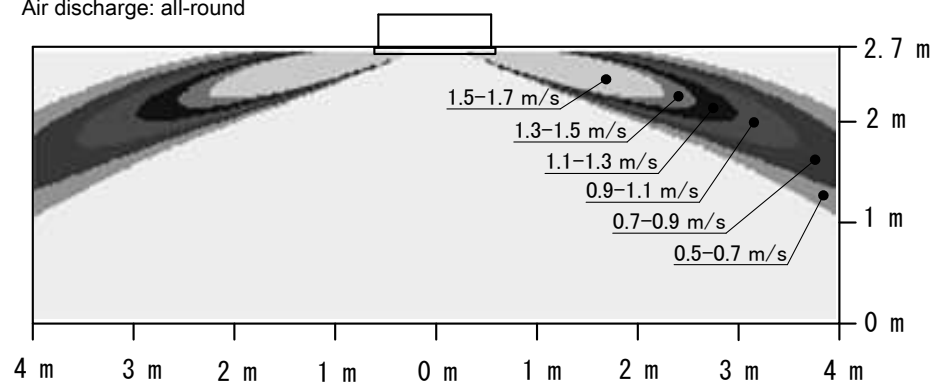
FFA50A9

10

Air velocity distribution (cooling)

Air flow direction: horizontal

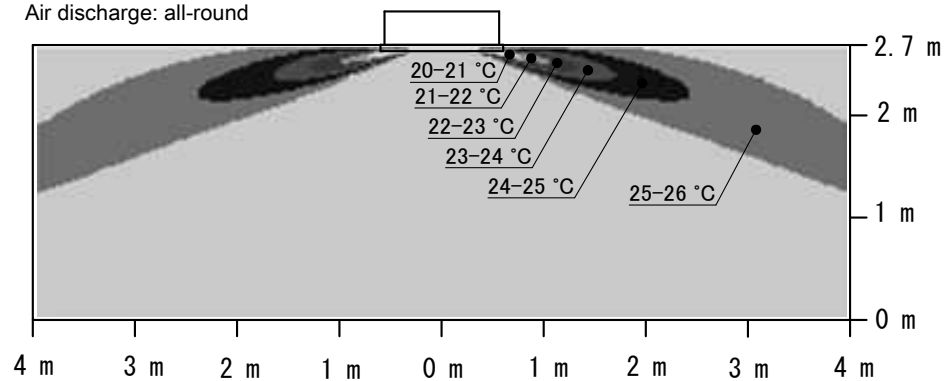
Air discharge: all-round



Air temperature distribution (cooling)

Air flow direction: horizontal

Air discharge: all-round



4D083821A

10 Air flow patterns

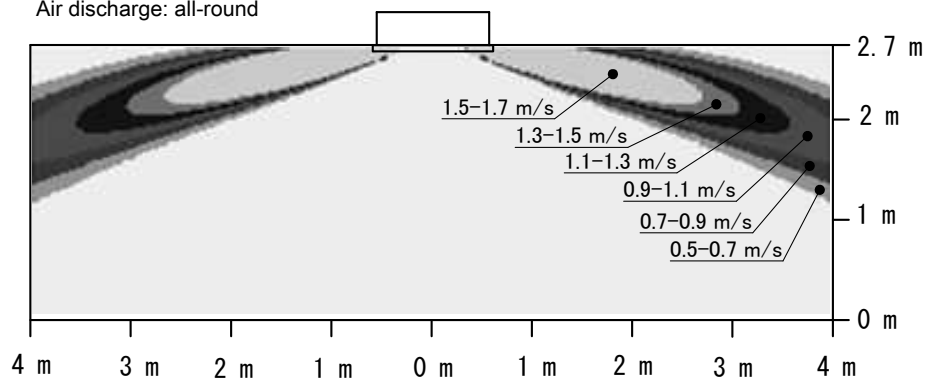
10 - 1 Air Flow Pattern - Cooling

FFA60A9

Air velocity distribution (cooling)

Air flow direction: horizontal

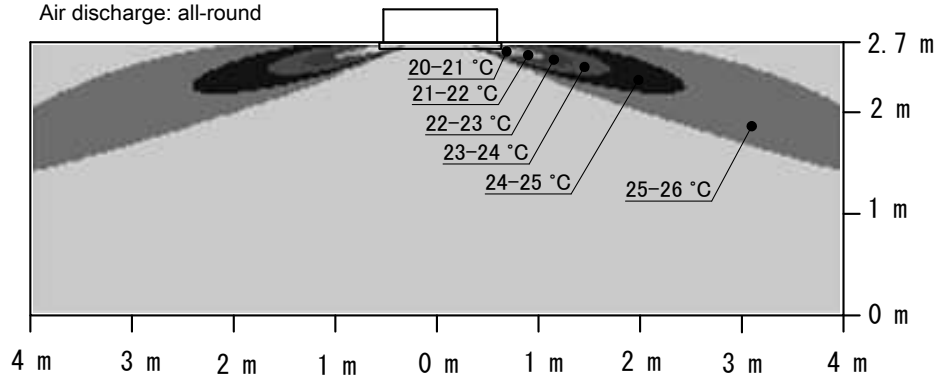
Air discharge: all-round



Air temperature distribution (cooling)

Air flow direction: horizontal

Air discharge: all-round



4D083822A

10 Air flow patterns

10 - 2 Air Flow Pattern - Heating

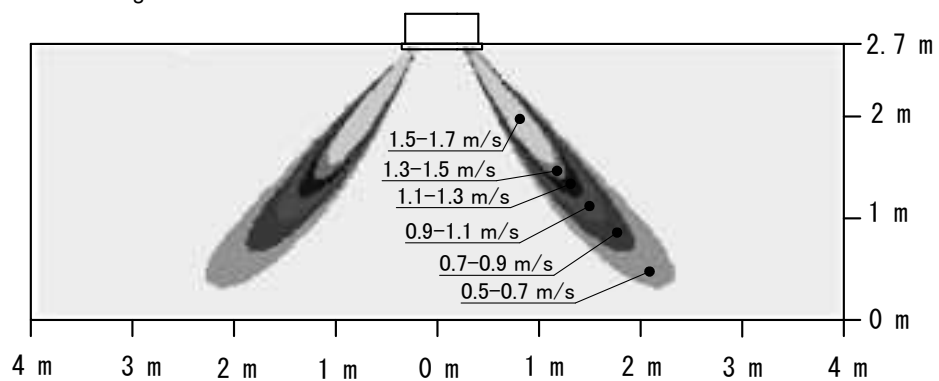
FFA25A9

10

Air velocity distribution (heating)

Air flow direction: horizontal

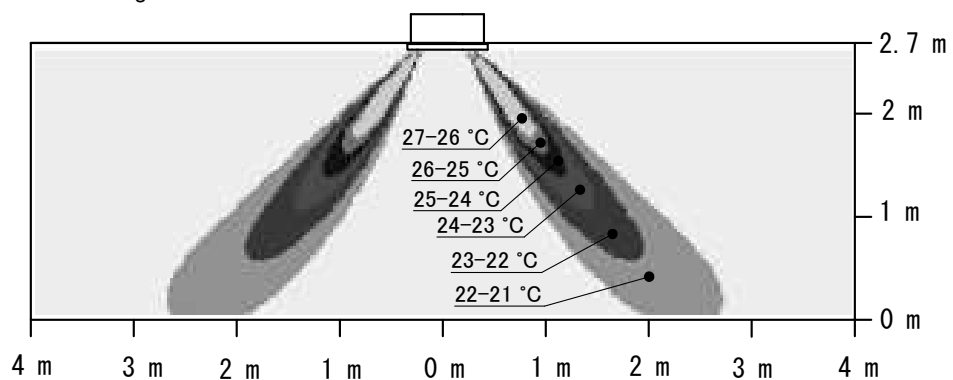
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: horizontal

Air discharge: all-round



4D083829A

10 Air flow patterns

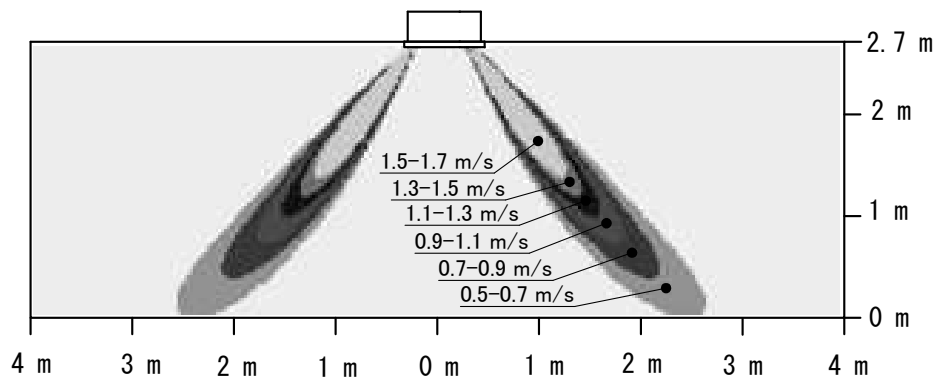
10 - 2 Air Flow Pattern - Heating

FFA35A9

Air velocity distribution (heating)

Air flow direction: horizontal

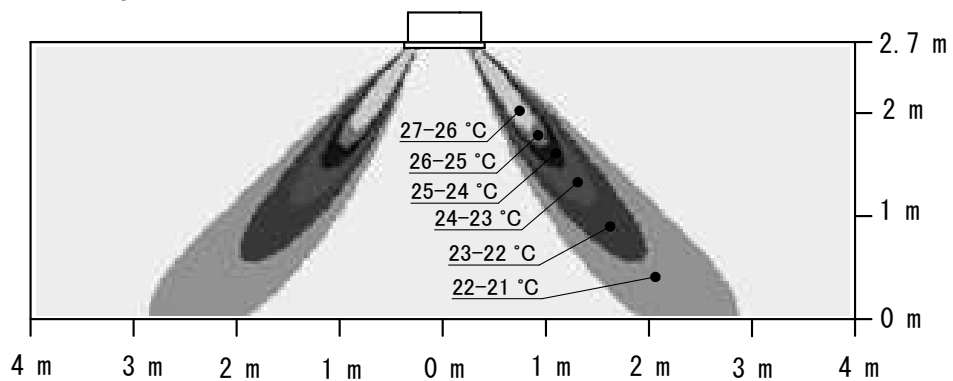
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: horizontal

Air discharge: all-round



4D083830A

10 Air flow patterns

10 - 2 Air Flow Pattern - Heating

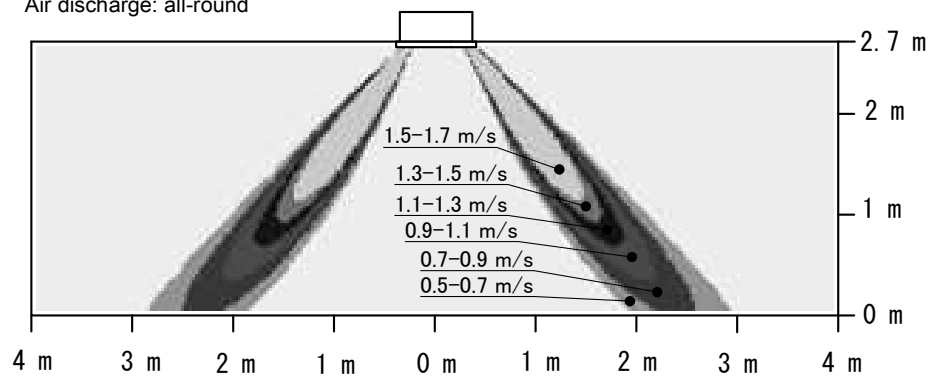
FFA50A9

10

Air velocity distribution (heating)

Air flow direction: horizontal

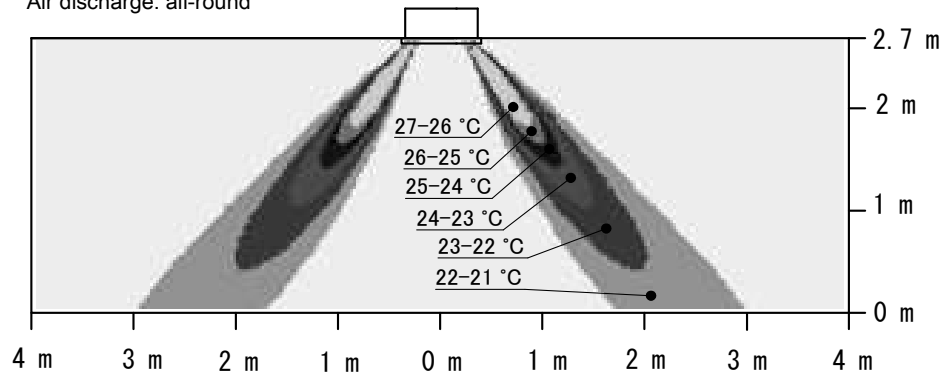
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: horizontal

Air discharge: all-round



4D083831A

10 Air flow patterns

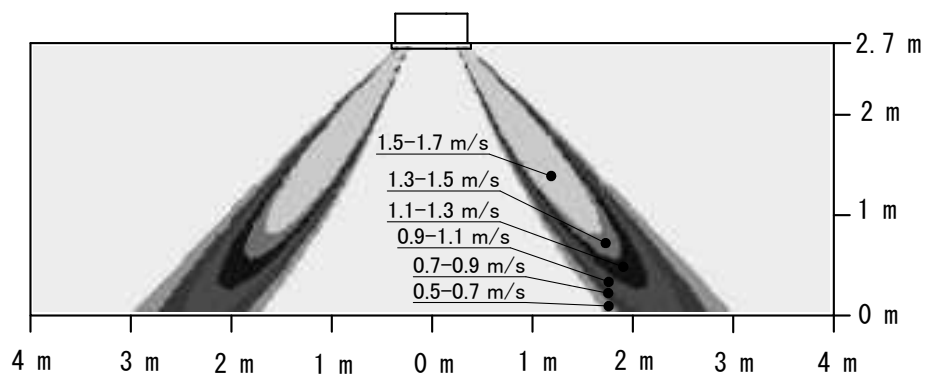
10 - 2 Air Flow Pattern - Heating

FFA60A9

Air velocity distribution (heating)

Air flow direction: horizontal

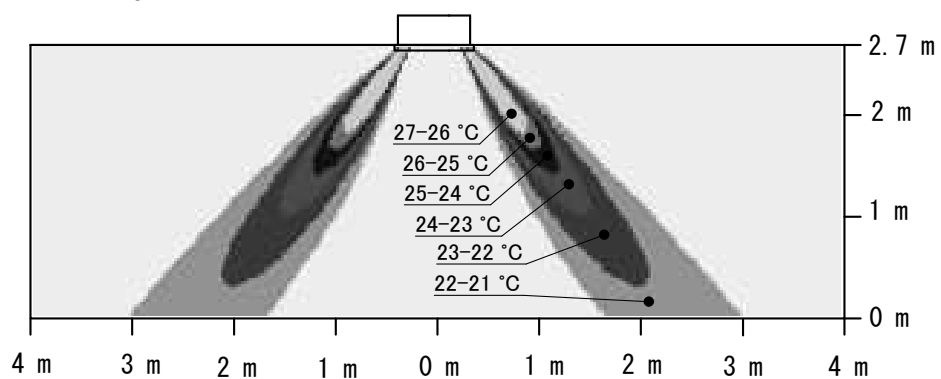
Air discharge: all-round



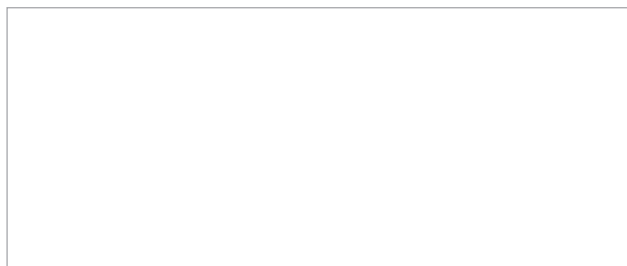
Air temperature distribution (heating)

Air flow direction: horizontal

Air discharge: all-round



4D083832A



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07/2021



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