

Round flow cassette Air Conditioning Technical Data FCAG-B



FCAG35BVEB
FCAG50BVEB
FCAG60BVEB
FCAG71BVEB
FCAG100BVEB
FCAG125BVEB
FCAG140BVEB

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FCAG-B

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1 Features

1 - 1 FCAG-B

- › Unified indoor unit can be combined with R-32 and R-410A outdoor units, simplifying stock
- › 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
- › Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- › 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!
- › Lowest installation height in the market: 214mm for class 20-63
- › Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- › Bigger flaps and unique swing pattern improve equal air distribution
- › 5 different fan speeds available for maximum comfort
- › 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 675mm lift increases flexibility and installation speed



Infrastructure cooling



Onecta app (optional)



Presence & floor sensor



Home leave operation



Fan only



Auto-cleaning filter (optional)



Draught prevention



Auto cooling-heating changeover



Whisper quiet



Ceiling soiling prevention



Individual flap control



Vertical auto swing



Fan speed steps (5 steps + auto)



Dry programme



UV Streamer kit (optional)



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



Multi model application



VRV for residential application

2 Specifications

2 - 1 Specifications

Technical specifications				FCAG35B	FCAG50B	FCAG60B	FCAG71B	FCAG100B	FCAG125B	FCAG140B	
Cooling capacity	Sensible capacity	Nom.	kW	2.45	3.45	3.89	4.40	6.16	8.71	8.68	
	Latent capacity	Nom.	kW	1.05	1.55	1.81	2.40	3.34	3.39	4.72	
	Total capacity	Nom.	kW	3.50	5.00	5.70	6.80	9.50	12.10	13.40	
Heating capacity	Total capacity	Nom.	kW	4.2	6.0	7.0	7.5	10.8	13.5	15.5	
Power input - 50Hz	Cooling	Nom.	kW	0.04			0.05	0.08	0.17		
	Heating	Nom.	kW	0.04			0.05	0.08	0.17		
Casing	Material			Galvanised steel plate							
Dimensions	Unit	Height	mm	204				246			
		Width	mm	840							
		Depth	mm	840							
	Packed unit	Height	mm	220				260			
		Width	mm	882							
		Depth	mm	882							
Weight	Unit	kg	18	19		21	23				
	Packed unit	kg	20	21		23	26				
Heat exchanger	Inside length		mm	2,134			2,090				
	Outside length		mm	2,181			2,184				
	Rows	Quantity		2			3				
	Fin pitch		mm	1.20							
	Passes	Quantity		4	6		12	14			
	Face area		m²	0.278	0.366		0.371	0.464			
	Stages	Quantity		9	12			15			
	Empty tubeplate hole	Quantity		-			0	-			
	Tube type			Ø5 HI-XA							
	Fin	Type		Cross fin coil (multi slit fins and hi-XA tubes)							
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	Cooling	High	m³/min	12.9	14.6	14.9	15.1	22.7	27.2	
				cfm	446	516	526	533	802	961	
			Medium	m³/min	10.6	11.8	12.2	13.0	17.8	20.4	
			cfm	374	417	431	456	629	720		
		Low	m³/min	8.8	9.4	9.6	10.8	13.0	13.1		
				cfm	311	332	339	381	459	463	
	Heating		High	m³/min	14.1	14.6	14.9	15.1	23.0	27.0	
			cfm	498	516	526	533	812	954		
Medium		m³/min	11.6	11.8	12.2	12.9	18.1	20.2			
Fan	Air flow rate	Heating	Medium	cfm	410	417	431	456	639	713	
		Low	m³/min	9.4		9.6	10.8	13.2	13.0		
			cfm	332		339	381	466	459		
Fan motor	Quantity			1							
	Model			DFB05A2VB				DFB11A2VB			
	Speed	Steps		5							
Sound power level	Output	High	W	48				106			
	Cooling		dBA	49.0			51.0		54.0	58.0	
Sound pressure level	Heating		dBA	49.0			51.0		54.0	58.0	
	Cooling	High	dBA	31.0			33.0	35.0	37.0	41.0	
		Medium	dBA	29.0			31.0		33.0	35.0	
		Low	dBA	27.0			28.0		29.0		
	Heating	High	dBA	31.0			33.0		37.0	41.0	
		Medium	dBA	29.0			31.0		33.0	35.0	
		Low	dBA	27.0			28.0		29.0		
Refrigerant	Type			R-32 / R-410A							
Piping connections	Sound absorbing insulation				Foamed polyurethane						
	Liquid	Type		Flare connection							
		OD	mm	6.35			9.52				
	Gas	Type		Flare connection							
		OD	mm	9.52	12.70		15.90				
Decoration panel	Drain				VP25 (O.D. 32 / I.D. 25)						
	Heat insulation				Foamed polystyrene / Foamed polyethylene						
	Model				BYCQ140E2W1 / BYCQ140E2W1W / BYCQ140E2W1B						
	Dimen-sions	Height	mm	65							
		Width	mm	950							
Depth		mm	950								
Weight		ka		5.5							

2 Specifications

2 - 1 Specifications

2

Technical specifications				FCAG35B	FCAG50B	FCAG60B	FCAG71B	FCAG100B	FCAG125B	FCAG140B	
Decoration panel 2	Model			BYCQ140E2GFW1 / BYCQ140E2GFW1B							
	Dimen- sions	Height	mm	148							
		Width	mm	950							
		Depth	mm	950							
	Weight			kg	10.3						
Decoration panel 3	Model			BYCQ140E2P / BYCQ140E2PB							
	Dimen- sions	Height	mm	106							
		Width	mm	950							
		Depth	mm	950							
Decoration panel 3	Weight			kg	6.5						
Air filter	Type			Resin net							
Safety devices	Item	01		PC board fuse				-			
		02		Fan motor overcurrent protector							
Control systems	Infrared remote control			BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB							
	Wired remote control			BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1H81W/S / BRC1H51(9)W/S/K7 / BRC2E52C7 / BRC3E52C7							

Standard accessories: Operation manual;Quantity: 1;

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Drain hose;Quantity: 1;

Standard accessories: Clamp for drain hose;Quantity: 1;

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

Standard accessories: Screws;Quantity: 4;

Standard accessories: Installation guide;Quantity: 1;

Standard accessories: Insulation for fitting;Quantity: 2;

Standard accessories: Sealing pads;Quantity: 1;

Standard accessories: Wire clamp material;Quantity: 7;

Standard accessories: Clamps;Quantity: 1;

Electrical specifications				FCAG35B	FCAG50B	FCAG60B	FCAG71B	FCAG100B	FCAG125B	FCAG140B
Power supply	Phase			1~						
	Frequency			50/60						
	Voltage			220-240/220						

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

The BYCQ140E2W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140E2W1W decoration panel in environments exposed to concentrations of dirt. |

BYCQ140E2W1: pure white standard panel with grey louvers; BYCQ140E2W1W: pure white standard panel with white louvers; BYCQ140E2W1B: black standard panel with black louvers.

3 Safety device settings

3 - 1 Safety Device Settings

FCAG-B

Safety devices		FCAG35-71BVEB	FCAG100-140BVEB
PCB fuse		250V, 3.15A	---
Fan motor overcurrent protection	Nominal	0,92A	1,49A
Fan motor thermal protector	Maximum	---	---
Drain pump fuse		---	---

Safety devices		FCAHG71-140HVEB
PCB fuse		---
Fan motor overcurrent protection	Nominal	1,49A
Fan motor thermal protector	Maximum	---
Drain pump fuse		---

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Options

4 - 1 Options

FCAG-B
FCAHG-H

4

Option kit		Product name	Availability	
			FCAG35-140BVEB FCAHG7-140HVEB	FXG20-125BVEB
Decoration panel	Standard	BYCQ140E2W1	✓	✓
	White	BYCQ140E2W1W (2)	✓	✓
	Black	BYCQ140E2W1B	✓	✓
Designer decoration panel		BYCQ140E2P	✓	✓
Designer decoration panel	Black	BYCQ140E2PB	✓	✓
Self-cleaning decoration panel (with fine filter)		BYCQ140E2GFW1 (3/4/5)	✓	✓
Self-cleaning decoration panel (with fine filter)	Black	BYCQ140E2GFW1B (3/4/5)	✓	✓
Long-life replacement filter		KAF5511D160	✓	✓
Chamber (part of fresh air intake kit (20% fresh air))		KDDP55C160-1 (6/7)	✓	✓
Diffuser from chamber to duct (part of fresh air intake kit (20% fresh air))		KDDP55D160-2 (6/7)	✓	✓
Air discharge outlet sealing member		KDBHQ56B140 (6)	✓	✓
Sensor kit		BRVQ140B88 (8)	✓	✓
Sensor kit	Black	BRVQ140B88B (9)	✓	✓
Sensor kit (for designer decoration panel)		BRVQ140C88 (24)	✓	✓
Sensor kit (for designer decoration panel)	Black	BRVQ140C88B (25)	✓	✓
Extension wire harness		FWHAR1 (22)	✓	✓
Wireless remote control		BRC7FA532F (6/10/26)	✓	✓
Wireless remote control	Black	BRC7FA532FB (6/11/26)	✓	✓
Wireless remote control (for designer decoration panel)		BRC7FB532F (6/24/26)	✓	✓
Wireless remote control (for designer decoration panel)	Black	BRC7FB532FB (6/25/26)	✓	✓
Wired remote control		BRC1D528 (12/26)	✓	✓
Wired remote control		BRC1H82W/S	✓	✓
Wired remote control		BRC1E53A7 (13), BRC1E53B7 (14), BRC1E53C7 (15/16), BRC1H52W/K/S	✓	✓
Simplified remote control (with operation mode selector button)		BRC2E52C7 (16/17/26)	✓	✓
Simplified remote control (without operation mode selector button)		BRC3E52C7 (16/17/26)	✓	✓
Wiring adaptor for electrical appendices -1-		KRP1BA58 (6/18)	✓	✓
Wiring adaptor for electrical appendices -2-		KRP4A53 (6/18/19)	✓	✓
Wiring adaptor (hour meter)		EKRP1C12 (6/18)	✓	✓
Remote sensor		KRCS01-7B	✓	✓
Installation box for adaptor PCB		KRP1H98A (6)	✓	✓
Central remote control		DCS302C51	✓	✓
Unified ON/OFF controller		DCS301B51	✓	✓
Electrical box with earth terminal (2-blocks)		KJB212AA	✓	✓
Electrical box with earth terminal (3-blocks)		KJB311AA	✓	✓
Schedule timer		DS1301BA51	✓	✓
PCB for multi-tenant indoor units		DTA114A61	✓	✓
Touch Controller		DCS601C51	✓	✓
Digital input adaptor		BRP7A53 (18/20)	✓	✓
Wi-Fi adaptor for smartphones		BRP069B82 (21/22/23)	✓	✓
Intelligent Touch Manager		DCM601A51	✓	✓
Intelligent Tablet Controller		DCC601A51	✓	✓
Wire harness for external wireless temperature sensor		EKEWTSC-2 (27)	✓	✓

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FCAG-B
FCAHG-H

Notes

- ① All options are kits
- ② This option has white insulation.
Be aware that dirt formation is more easily visible on white insulation.
It is recommended not to install this option in environments with a high concentration of dirt.
- ③ To be able to control option -BYCQ140E2GFW1 / BYCQ140E2GFW1B-, controller -BRC1E / BRC1H- is required.
- ④ This option cannot be used with multi, and non-inverter split outdoor units.
- ⑤ This option is suitable for all applications, except for use in environments that are greasy, or have high humidity.
- ⑥ This option cannot be combined with -BYCQ140E2GFW1 / BYCQ140E2GFW1B-.
- ⑦ Both parts of the fresh air intake kit are required for each unit.
- ⑧ Only possible in combination with -BYCQ140E2W1 / BYCQ140E2W1W / BYCQ140E2GFW1-
- ⑨ Only possible in combination with -BYCQ140E2W1B / BYCQ140E2GFW1B-
- ⑩ Only possible in combination with -BYCQ140E2W1 / BYCQ140E2W1W-
- ⑪ Only possible in combination with -BYCQ140E2W1B-
- ⑫ Not recommended because of its limited functionality.
- ⑬ Included languages are: English, German, French, Italian, Spanish, Portuguese, and Dutch.
- ⑭ Included languages are: English, Czech, Croatian, Hungarian, Slovenian, Romanian, and Bulgarian.
- ⑮ Included languages are: English, Russian, Greek, Turkish, Polish, Albanian, and Slovak.
- ⑯ Language pack -3- of controller -BRC1E53C7- is different from that of controller -BRC2/3E52C7-.
- ⑰ 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.

- ⑱ Requires installation box for adaptor PCB -KRP1H98A-.
- ⑲ This option cannot be combined with -BRP069B82-.
- ⑳ Only possible in combination with remote control -BRC2/3E52C7, BRC1E53A/B/C7, BRC1H52W/K/S, BRC1H82W/S-.
- ㉑ Only possible in combination with wired or wireless remote control (e.g. -BRC1E, BRC1H, BRC7F-).
- ㉒ When combining the Wi-Fi adaptor (-BRP069B82-) with a self-cleaning decoration panel (-BYCQ140E2GFW1 / BYCQ140E2GFW1B-), option -FWHAR1- is required.
- ㉓ This option cannot be combined with -KRP4A53-.
- ㉔ Only possible in combination with -BYCQ140E2P-
- ㉕ Only possible in combination with -BYCQ140E2PB-
- ㉖ The active airflow circulation function is not available for this controller.
- ㉗ -EKEWTSC-2- is a wire harness for the connection of option -K.RSS-.

-K.RSS- is not an official option. Sales for this option are an SBU responsibility.

3D121704G

5 Dimensional drawings

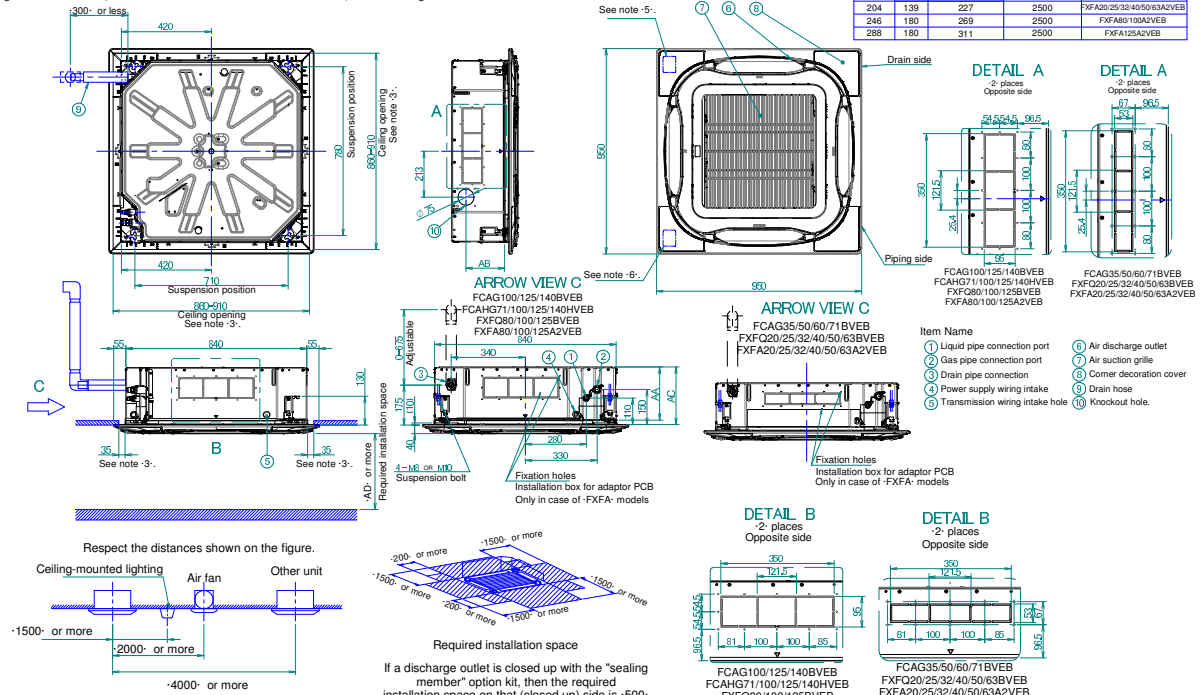
5 - 1 Dimensional Drawings with Accessories

FCAG-B

FCAHG-H

Notes

- Location of nameplate
The unit nameplate is located on the control box cover.
The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
- When installing optional accessories, refer to their respective documentation.
- Make sure the distance between the ceiling and the cassette does not exceed 35 mm.
The maximum ceiling opening is 910 mm.
- When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥ 10 mm).
- When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.
- When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.



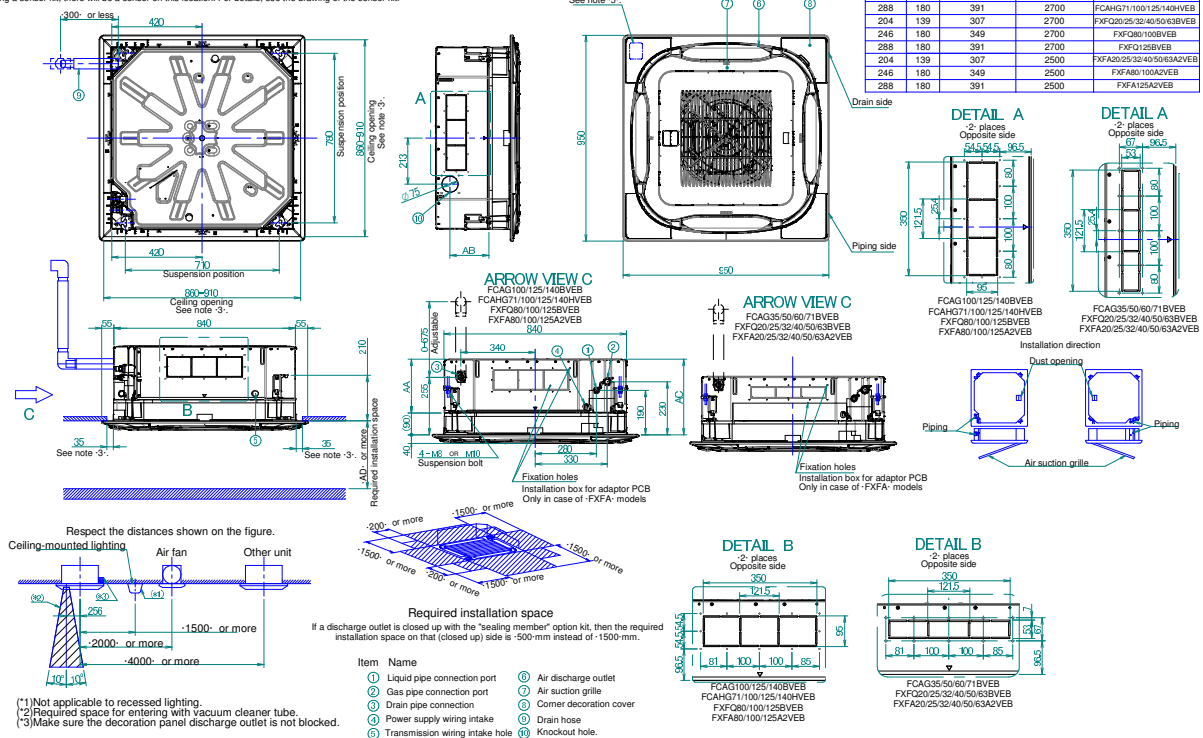
2D121655D

FCAG-B

FCAHG-H

Notes

- Location of nameplate
The unit nameplate is located on the control box cover.
The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
- When installing optional accessories, refer to their respective documentation.
- Make sure the distance between the ceiling and the cassette does not exceed 35 mm.
The maximum ceiling opening is 910 mm.
- When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥ 10 mm).
- When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.



2D121658D

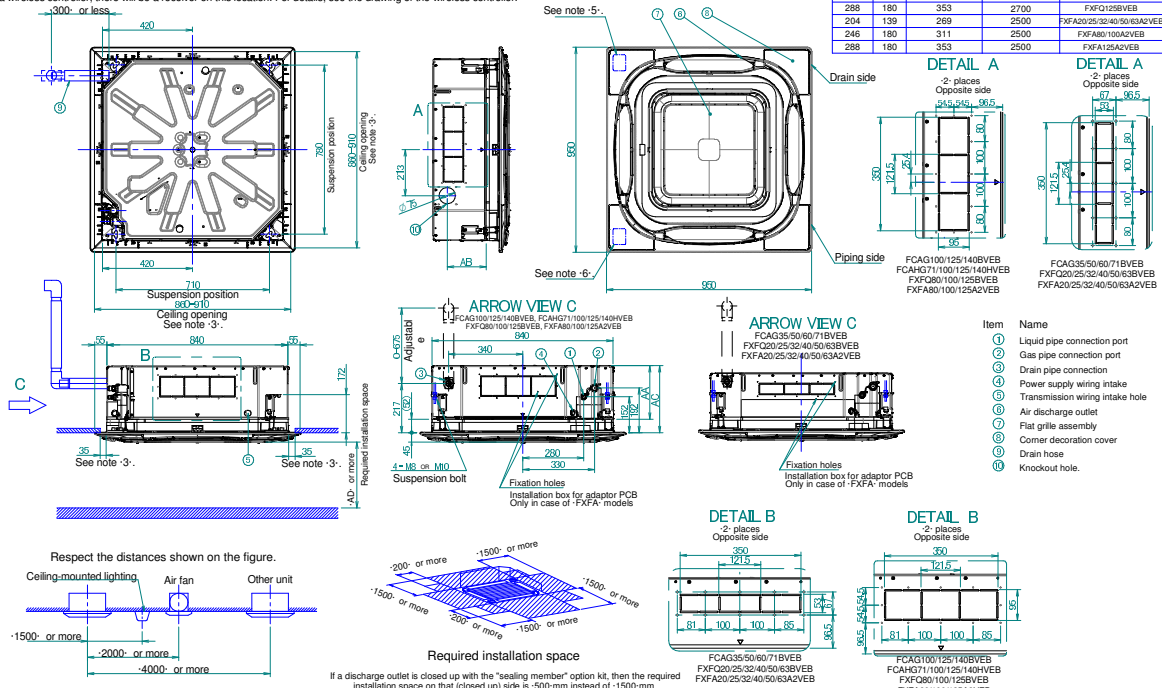
5 Dimensional drawings

5 - 1 Dimensional Drawings with Accessories

FCAG-B FCAHG-H

Notes

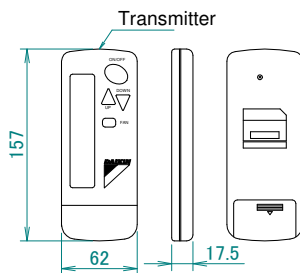
- Location of nameplate
The unit nameplate is located on the control box cover.
The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
- When installing optional accessories, refer to their respective documentation.
- Make sure the distance between the ceiling and the cassette does not exceed 35 mm.
The maximum ceiling opening is 910 mm.
- When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥ 10 mm).
- When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.
- When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.



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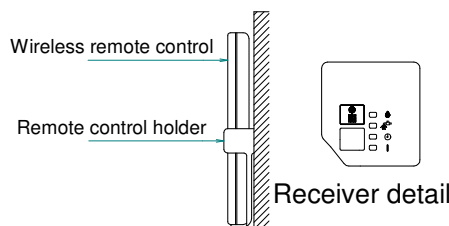
FCAG-B

Remote control dimensions

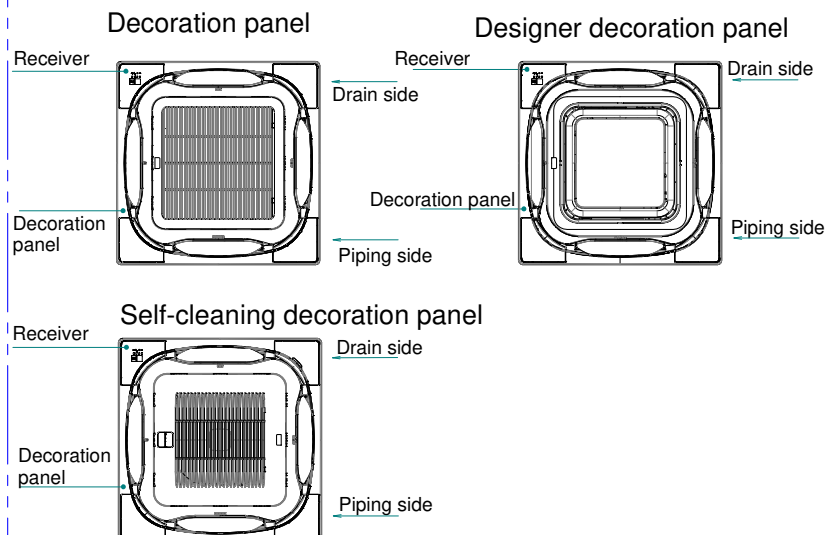


Remote control holder

Installation methods
Installation to wall surface



Installation methods



Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRC7FA532F
	BYCQ140E2W1B	BRC7FA532FB
Self-cleaning decoration panel	BYCQ140E2GFW1	BRC7FA532F
	BYCQ140E2GFW1B	BRC7FA532FB
Designer decoration panel	BYCQ140E2P	BRC7FB532F
	BYCQ140E2PB	BRC7FB532FB

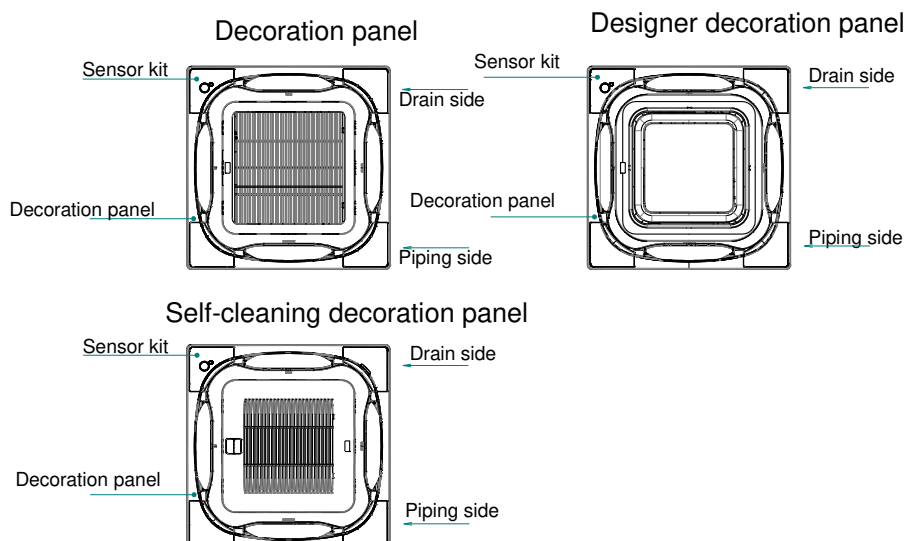
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5 Dimensional drawings

5 - 1 Dimensional Drawings with Accessories

FCAG-B

Installation methods



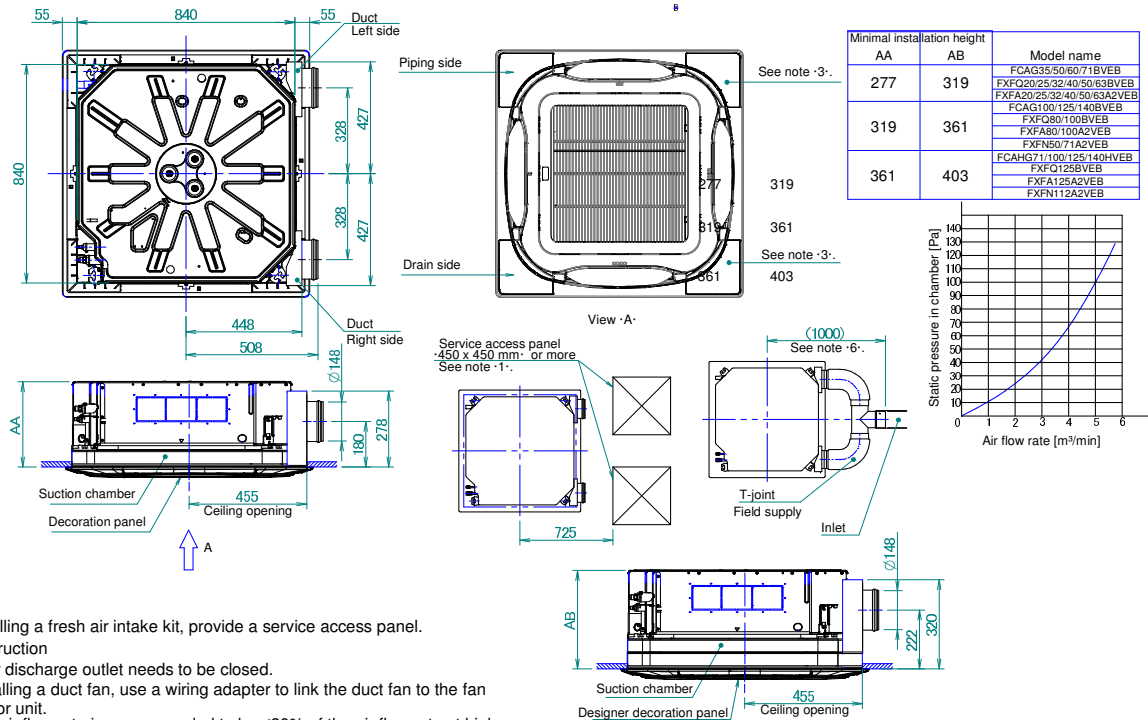
Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRYQ140B8
	BYCQ140E2W1B	BRYQ140B8B
Self-cleaning decoration panel	BYCQ140E2GFW1	BRYQ140B8
	BYCQ140E2GFW1B	BRYQ140B8B
Designer decoration panel	BYCQ140E2P	BRYQ140C8
	BYCQ140E2PB	BRYQ140C8B

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5 Dimensional drawings

5 - 2 Dimensional Drawings with Fresh Air Intake

FCAG-B
FCAHG-H



Notes

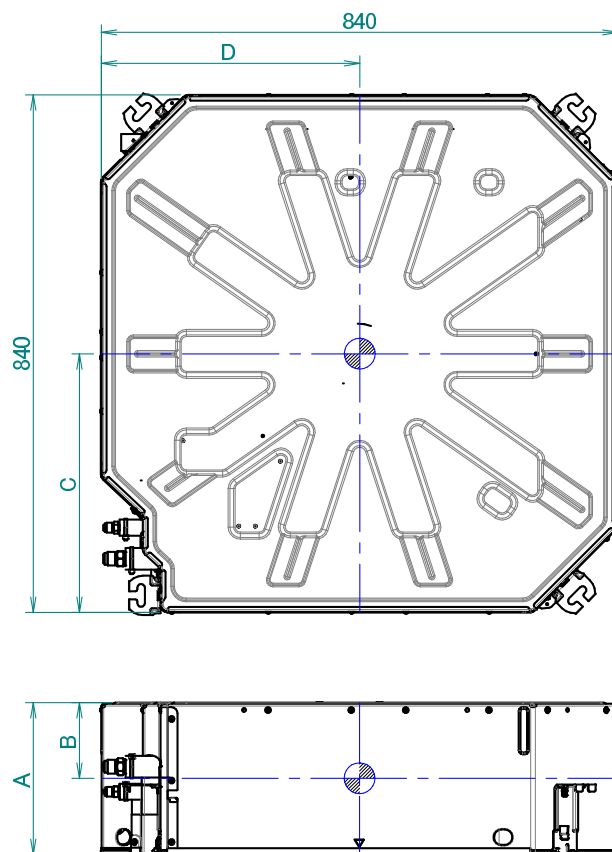
- When installing a fresh air intake kit, provide a service access panel.
- Field construction
- This corner discharge outlet needs to be closed.
- When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
- The intake air flow rate is recommended to be ≤20% of the air flow rate at high fan speed.
If the intake air flow rate is too large, the operating sound may increase, and the detection of the indoor unit suction temperature may be affected.
- This indicates the distance between the T-joint inlet and the indoor unit inlet when the T-tube is connected.

3D121741C

6 Centre of gravity

6 - 1 Centre of Gravity

FCAG-B FCAHG-H



Model	A	B	C	D
FCAG35~71BVEB	204	70	400	405
FCAG100~140BVEB	246	100	400	405
FCAHG71~140HVEB	288	135	400	405
FXFQ20~63BVEB, FXFA20~63A2VEB	204	70	395	400
FXFQ80~100BVEB, FXFA80~100A2VEB	246	100	395	400
FXFQ125BVEB, FXFA125A2VEB	288	135	395	400
FXFN50~71A2VEB	246	113	408	412
FXFN112A2VEB	288	120	403	415

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7 Piping diagrams

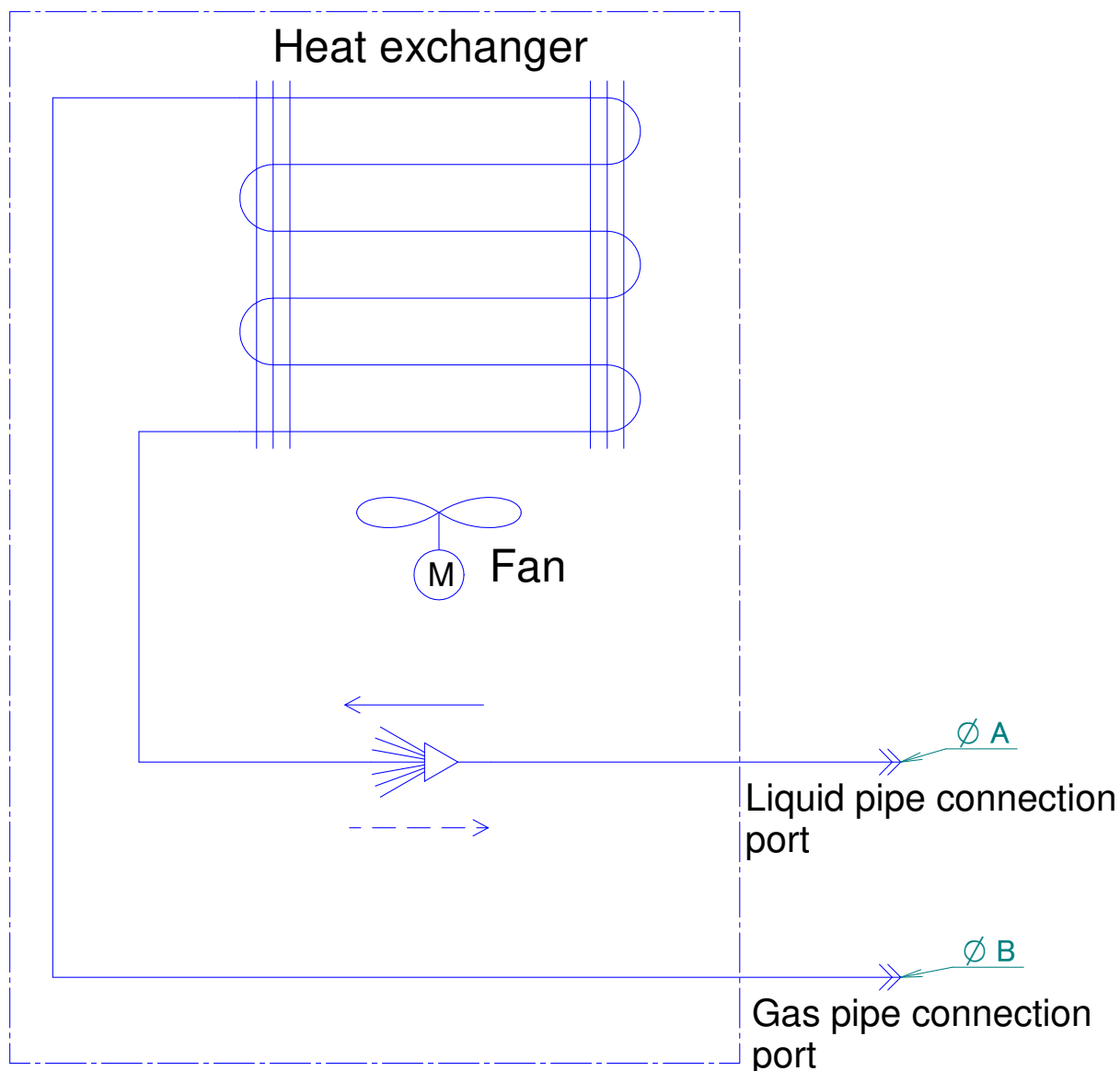
7 - 1 Piping Diagrams

FCAG-B

Model	A	B
FCAG35BVEB	6.35	9.52
FCAG50BVEB		12.7
FCAG60BVEB		
FCAG71BVEB	9.52	15.9
FCAG100BVEB		
FCAG125BVEB		
FCAG140BVEB		
FCAHG71BVEB		
FCAHG100BVEB		
FCAHG125BVEB		
FCAHG140BVEB		

Refrigerant flow

Cooling —————>
Heating - - - - ->



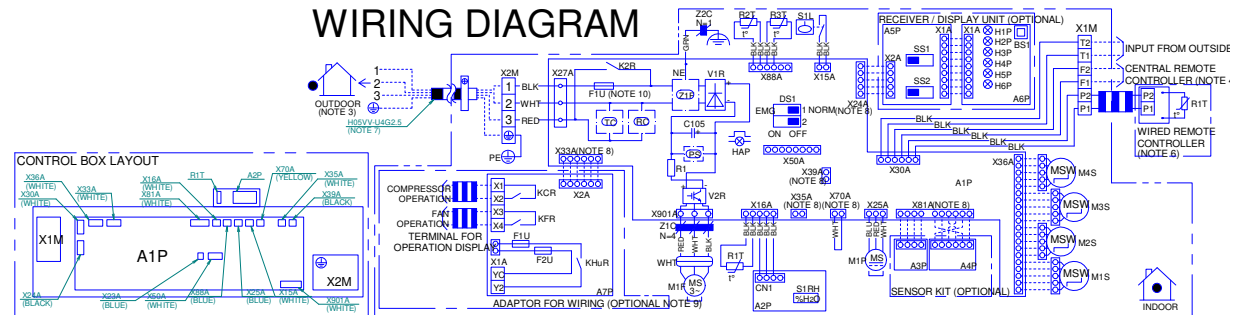
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8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

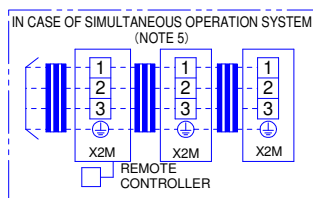
FCAG-B

WIRING DIAGRAM



NOTES:

1. [Symbol]: TERMINAL BLOCK, [Symbol]: CONNECTOR, [Symbol]: FIELD WIRING
2. IN CASE OF SIMULTANEOUS OPERATION INDOOR UNIT SYSTEM, SEE THE INDOOR UNIT WIRING ONLY.
3. FOR DETAILS, SEE WIRING DIAGRAM ATTACHED TO THE OUTDOOR UNIT.
4. IN CASE OF USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTALLATION MANUAL.
5. IN CASE OF SIMULTANEOUS OPERATION SYSTEM, CONNECTED QUANTITY OF THE INDOOR UNITS VARIES ACCORDING TO THE CONNECTED OUTDOOR UNIT.
6. IN CASE OF MAIN/SUB CHANGEOVER, SEE INSTALLATION MANUAL ATTACHED TO THE REMOTE CONTROLLER.
7. SHOWN ONLY IN CASE OF PROTECTION PIPING, USE H07RN-F IN CASE OF NO PROTECTION.
8. X24A, X33A, X35A, X39A, X70A, X81A ARE CONNECTED WHEN OPTIONAL ACCESSORIES ARE BEING USED, SEE WIRING DIAGRAM OF THIS ACCESSORY.
9. CONNECT POWER OF ADAPTER FOR WIRING TO TERMINAL BLOCK (X2M) OF INDOOR UNIT DIRECTLY.
10. FUSE F1U ON MAIN PCB (A1P) IS PRESENT ONLY IN FOLLOWING UNITS: FCAG 35, 50, 60, 71.



WIRE COLORS

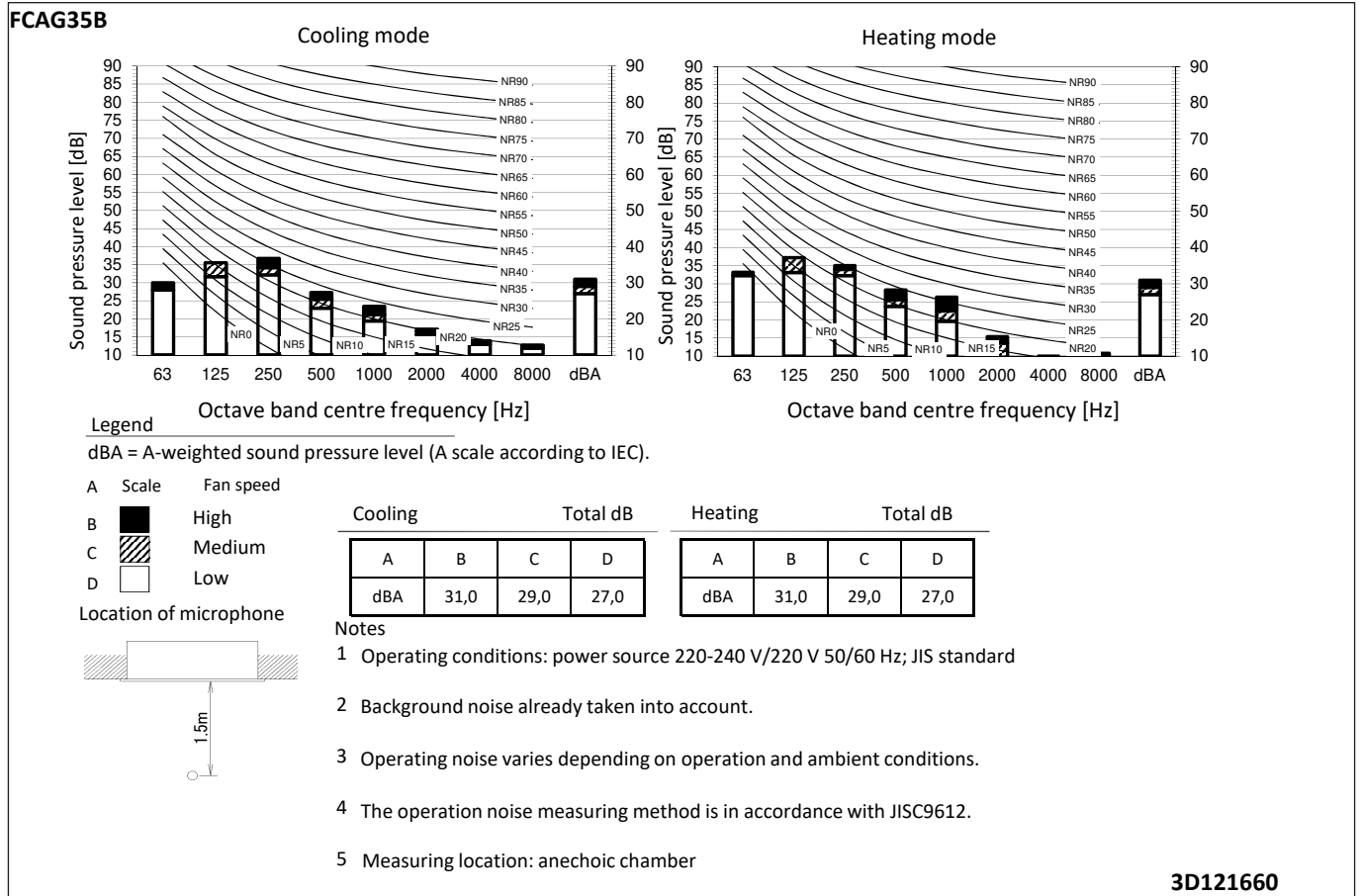
BLK: BLACK
BLU: BLUE
YLW: YELLOW
BRN: BROWN
RED: RED
WHT: WHITE
GRN: GREEN
PNK: PINK

INDOOR UNIT		ADAPTER FOR WIRING	
A1P	MAIN PCB	H2P	PILOT LAMP (TIMER: GREEN)
C105	CAPACITOR	H3P	PILOT LAMP (FILTER SIGN: RED)
DS1	DIP SWITCH ON PCB	H4P	PILOT LAMP (DEFROST: ORANGE)
F1U	FUSE (T, 3.15A 250V)	H5P	PILOT LAMP (ELEMENT CLEANING: RED)
HAP	FLASHING LAMP (SERVICE MONITOR: GREEN)	H6P	PILOT LAMP (TIMER: GREEN)
K2R	MAGNETIC RELAY	SS1	DIP SWITCH (MAIN / SUB)
M1P	MOTOR (DRAIN PUMP)	SS2	DIP SWITCH (WIRELESS ADDRESS SET)
M1F	MOTOR (INDOOR FAN)	CONNECTORS FOR OPTIONAL PARTS	
M1S-M4S	MOTOR (SWING BLADE)	X24A	CONNECTOR (WIRELESS REMOTE CONTROLLER)
R1	RESISTOR	X33A	CONNECTOR (ADAPTER FOR WIRING)
R1T	THERMISTOR (AIR)	X39A	CONNECTOR (AUTO CLEAN PANEL)
R2T, R3T	THERMISTOR (COIL)	X70A	CONNECTOR (WI-FI ADAPTER)
S1L	FLOAT SWITCH (DRAIN PUMP)	X81A	CONNECTOR (SENSOR KIT)
V1R	DIODE BRIDGE	WIRING REMOTE CONTROLLER	
V2R	IGBT POWER MODULE	R1T	THERMISTOR (AIR)
X15-901A	CONNECTOR	HUMIDITY SENSOR	
X1M	TERMINAL BLOCK (REMOTE CONTROLLER)	A2P	SENSOR PCB
X2M	TERMINAL BLOCK (POWER SUPPLY)	S1RH	HUMIDITY SENSOR
Z1C, Z2C	FERRITE CORE	CN1	CONNECTOR
Z1F	NOISE FILTER	WIRELESS REMOTE CONTROLLER (RECEIVER / DISPLAY UNIT)	
PS	POWER SUPPLY CIRCUIT	A5P	RECEIVER PCB
PC	SIGNAL RECEIVER CIRCUIT	A6P	DISPLAY PCB
TC	SIGNAL TRANSMISSION CIRCUIT	BS1	PUSH BUTTON (ON/OFF)
NE	NOISELESS EARTH	X1-2A	CONNECTOR
SENSOR KIT		H1P	PILOT LAMP (ON: RED)
A3P, A4P	SENSOR KIT PCB		

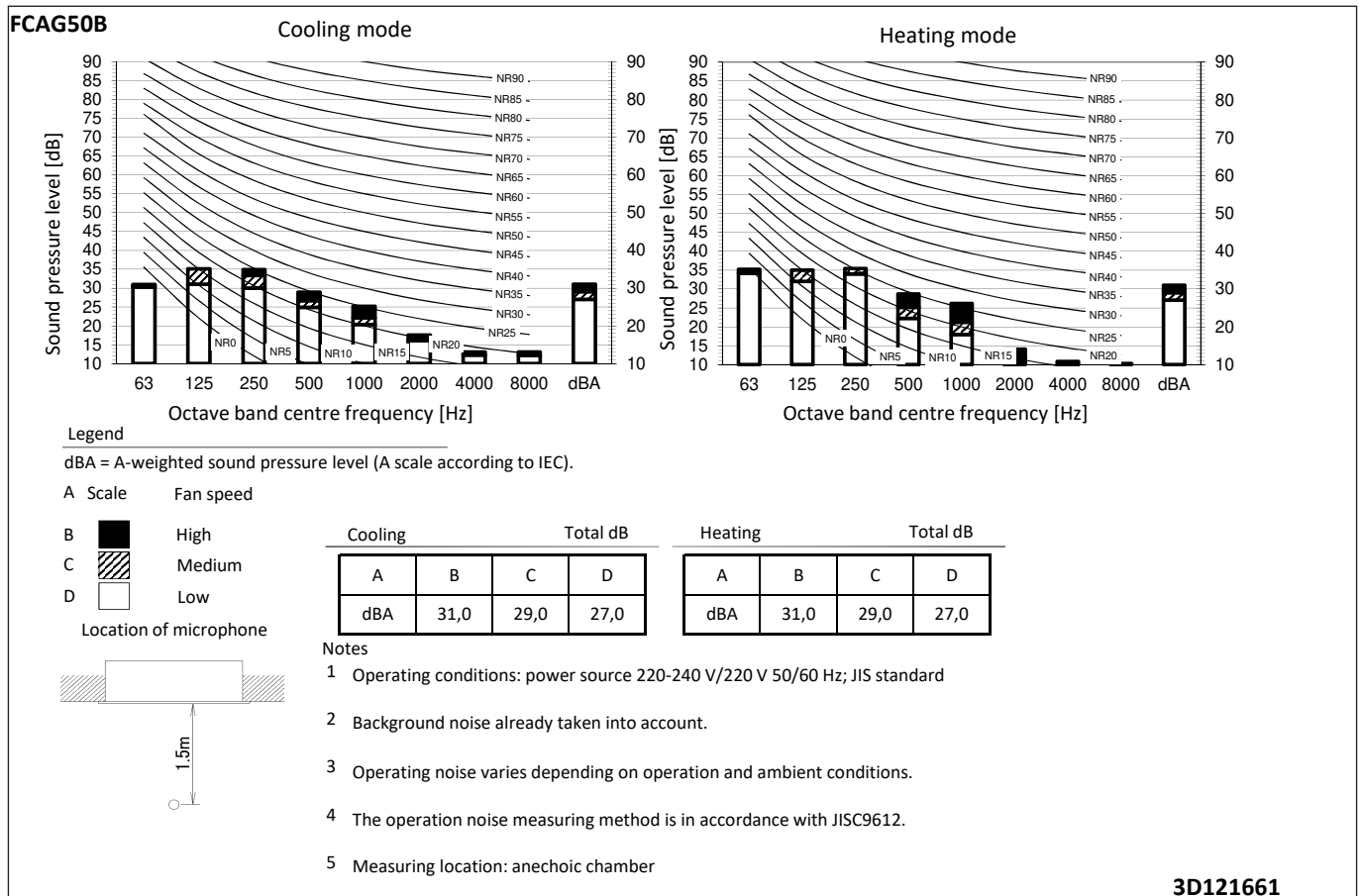
3D116812C

9 Sound data

9 - 1 Sound Pressure Spectrum



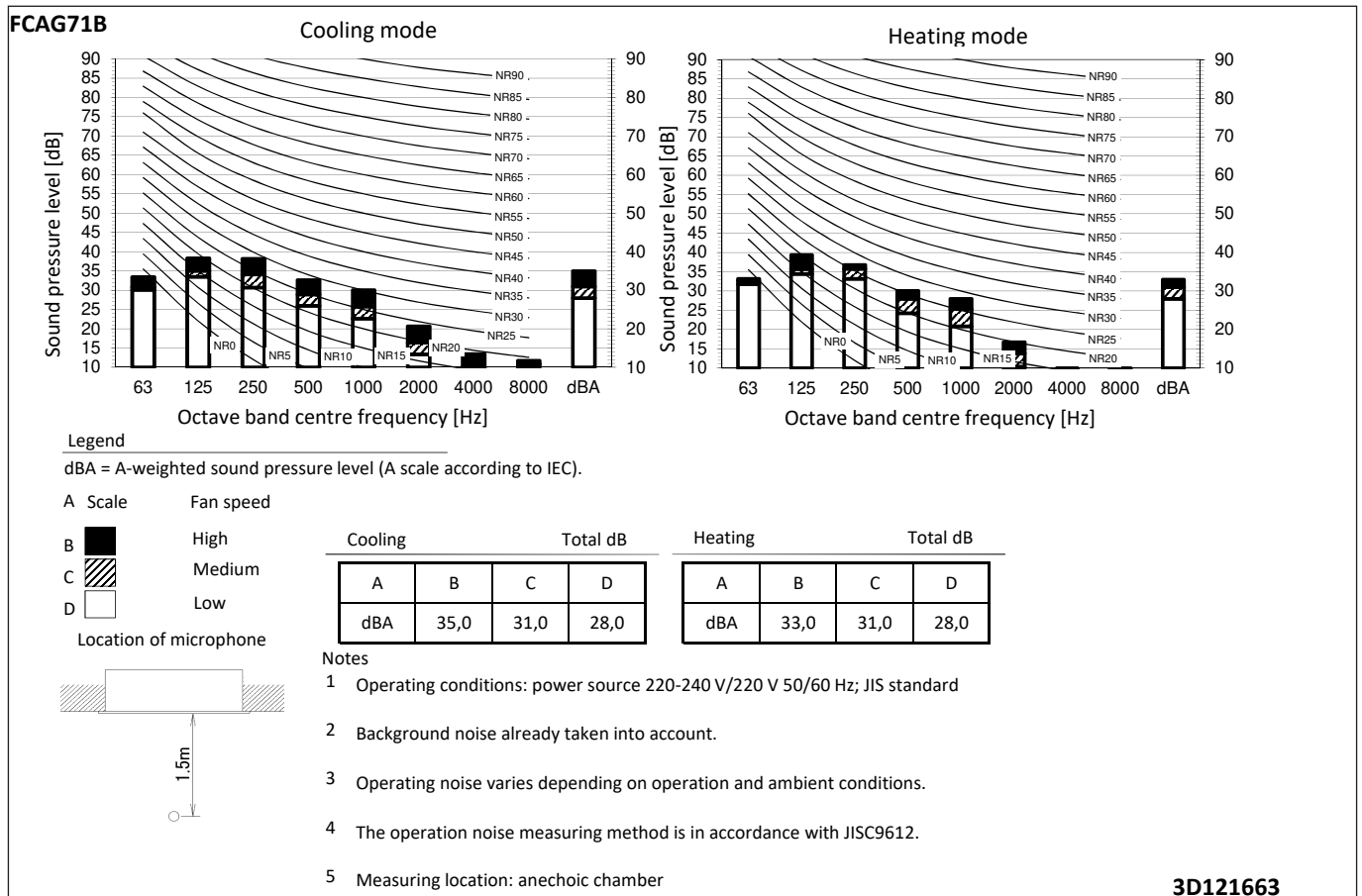
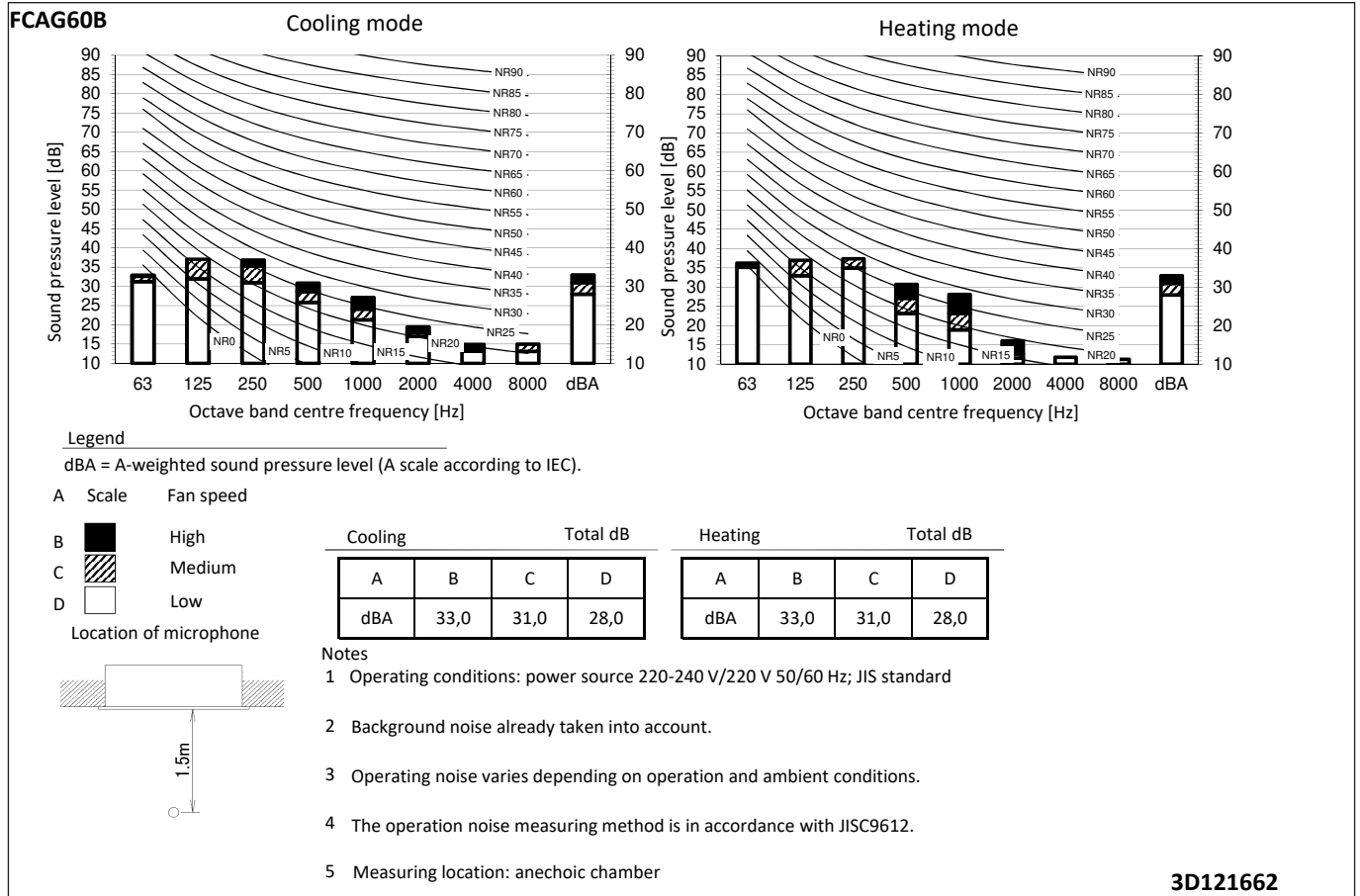
3D121660



3D121661

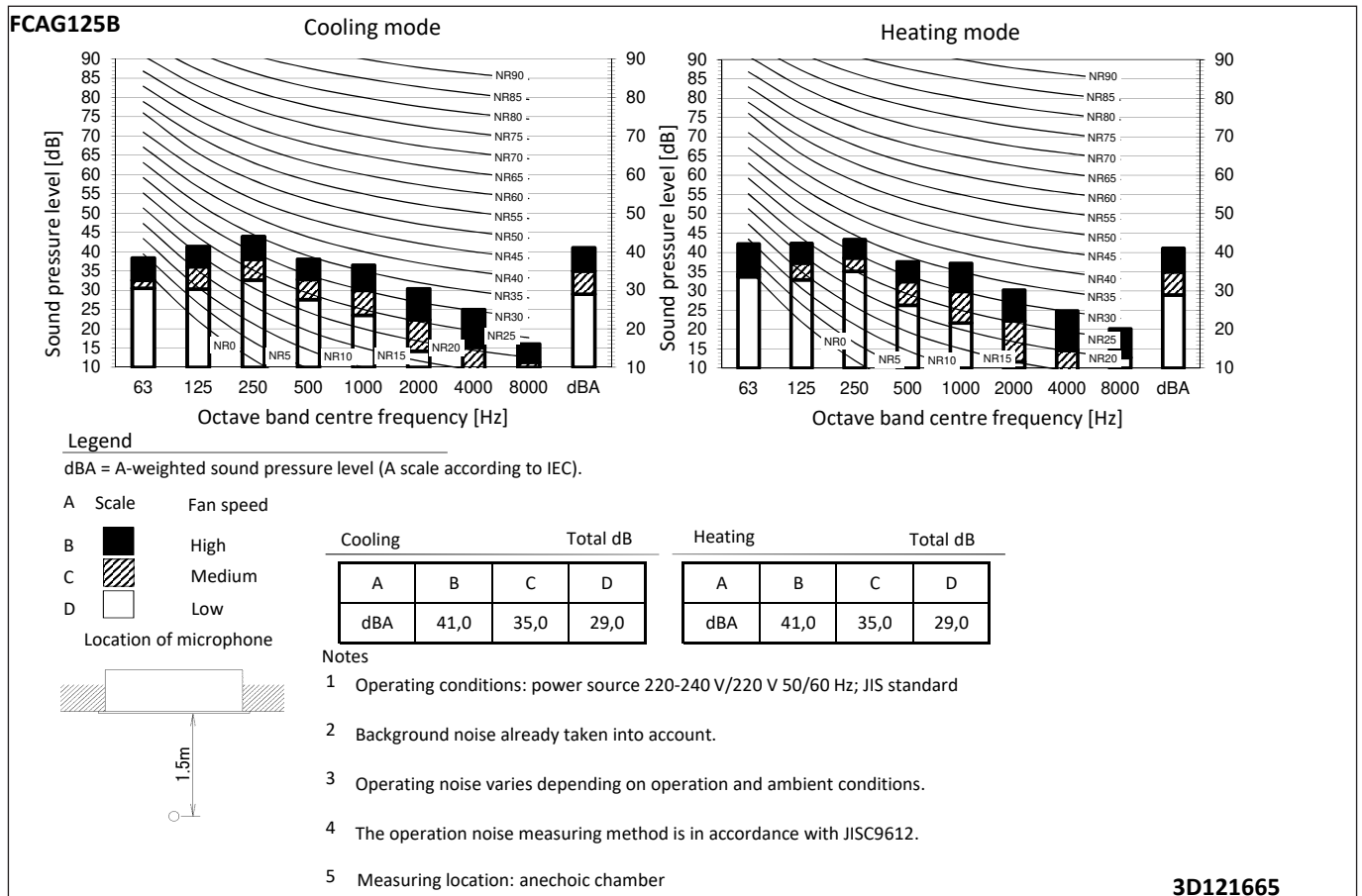
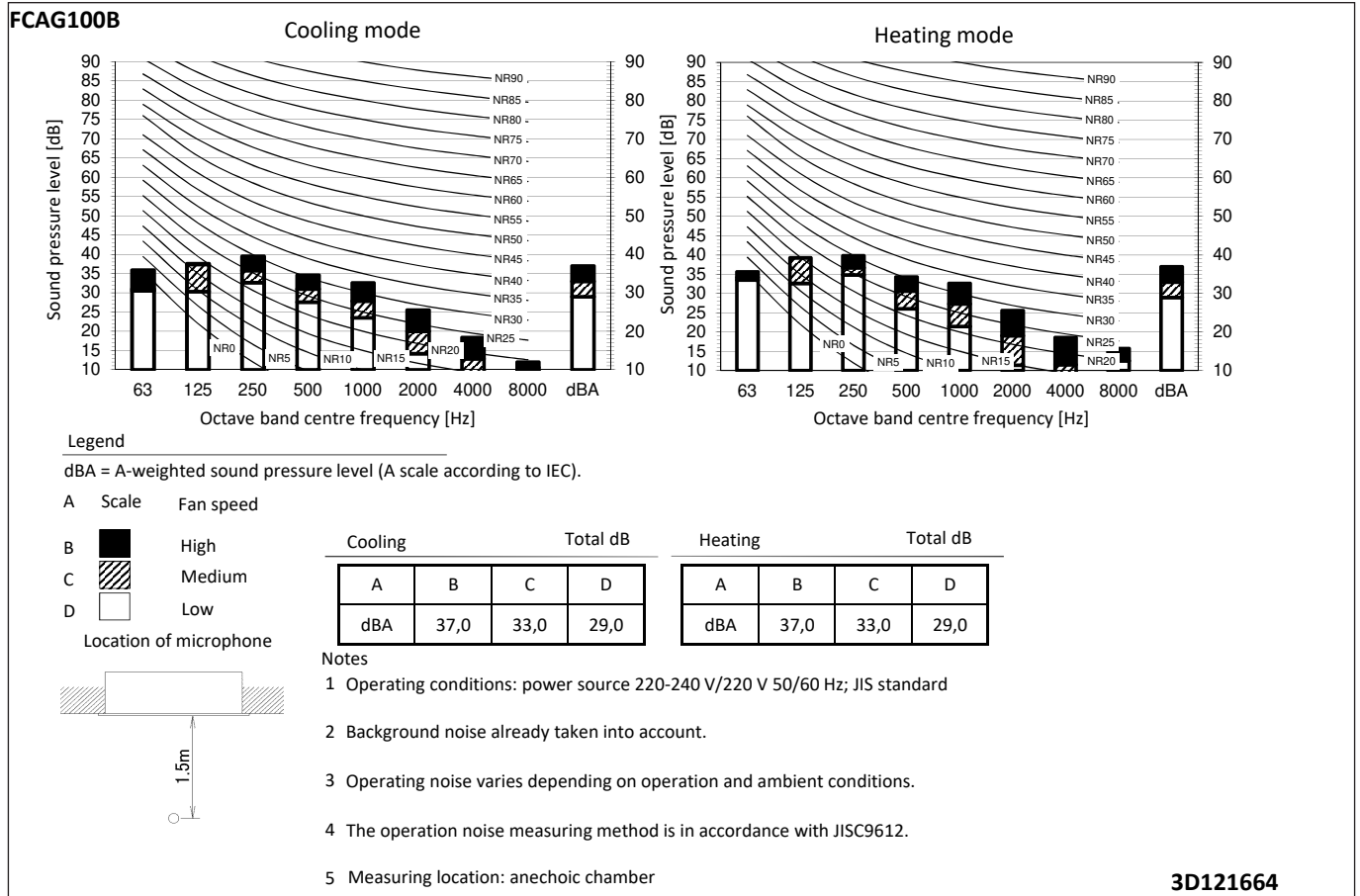
9 Sound data

9 - 1 Sound Pressure Spectrum



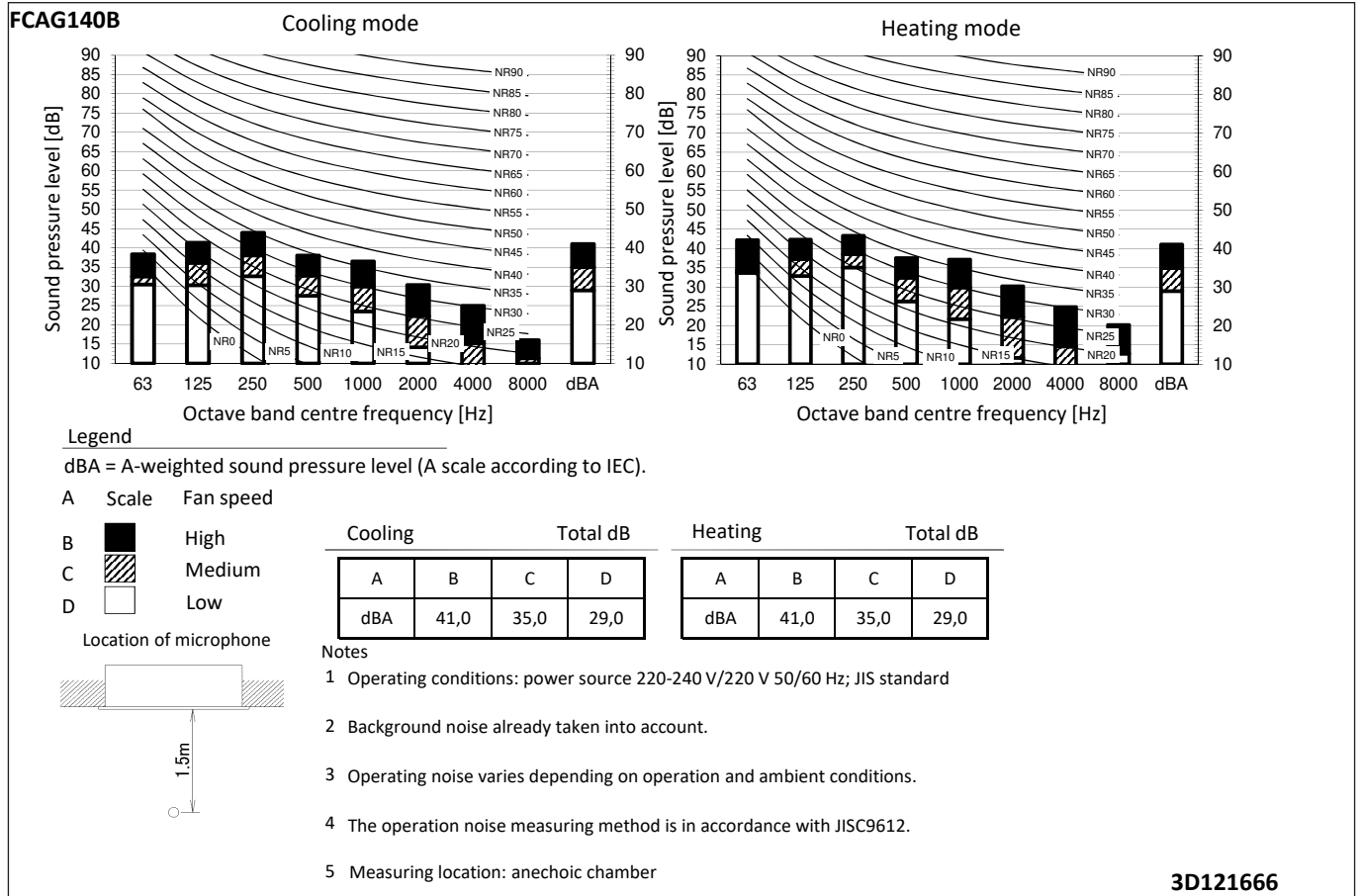
9 Sound data

9 - 1 Sound Pressure Spectrum



9 Sound data

9 - 1 Sound Pressure Spectrum



10 Air flow patterns

10 - 1 Air flow pattern - Cooling and Heating

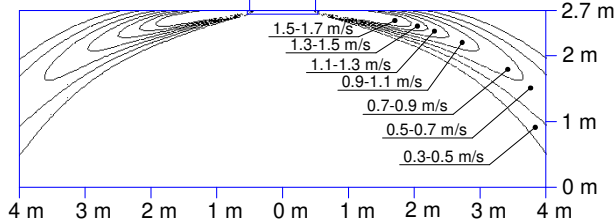
10

FCAG35B

Air velocity distribution (cooling)

Air flow direction: horizontal

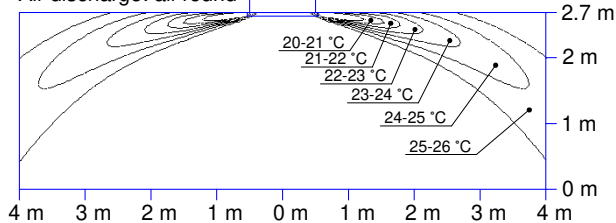
Air discharge: all-round



Air temperature distribution (cooling)

Air flow direction: horizontal

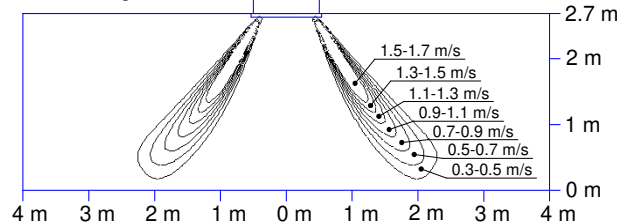
Air discharge: all-round



Air velocity distribution (heating)

Air flow direction: vertical

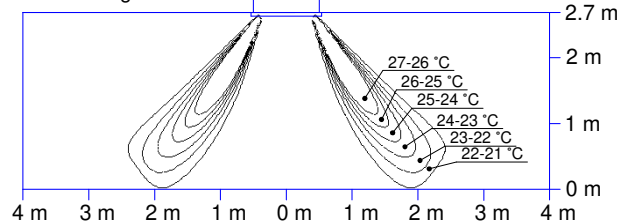
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical

Air discharge: all-round



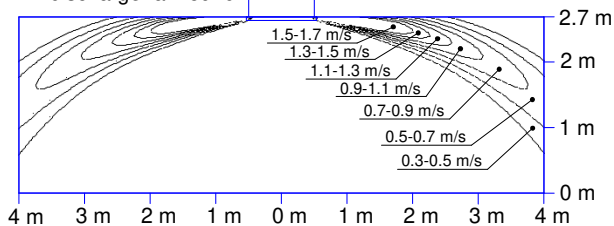
3D121618

FCAG50B

Air velocity distribution (cooling)

Air flow direction: horizontal

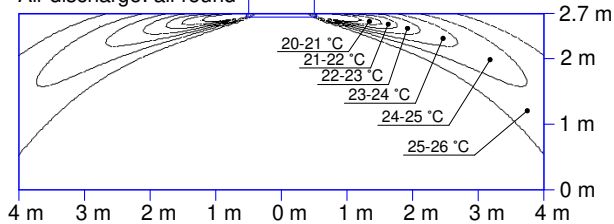
Air discharge: all-round



Air temperature distribution (cooling)

Air flow direction: horizontal

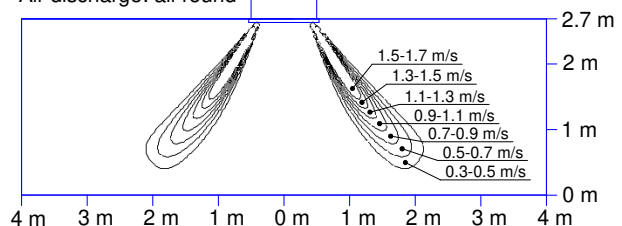
Air discharge: all-round



Air velocity distribution (heating)

Air flow direction: vertical

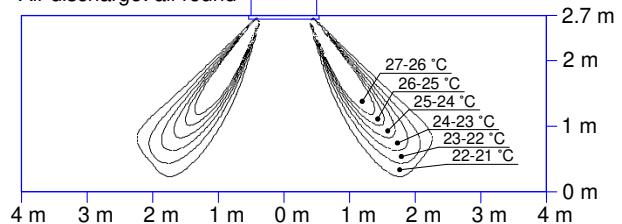
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical

Air discharge: all-round



3D121619

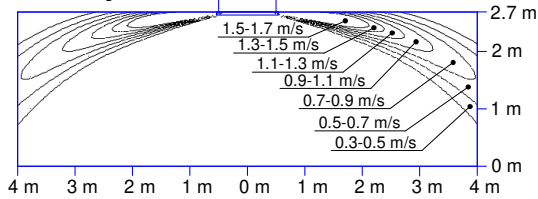
10 Air flow patterns

10 - 1 Air flow pattern - Cooling and Heating

FCAG60B

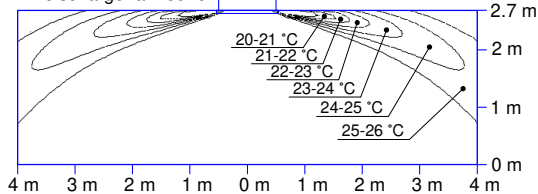
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



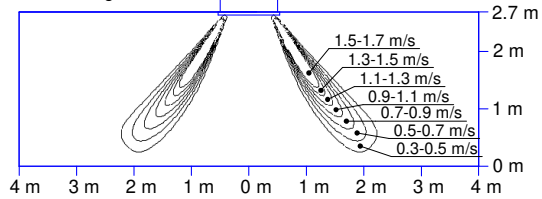
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



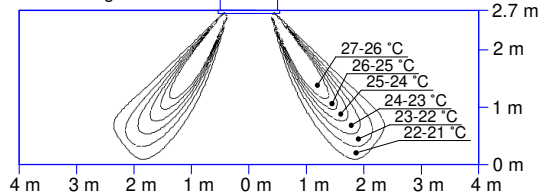
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

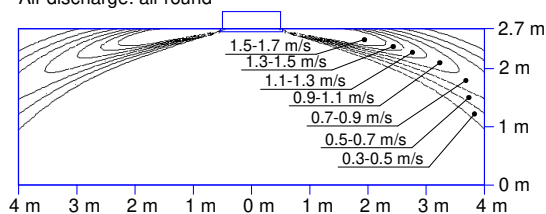


3D121620A

FCAG71B

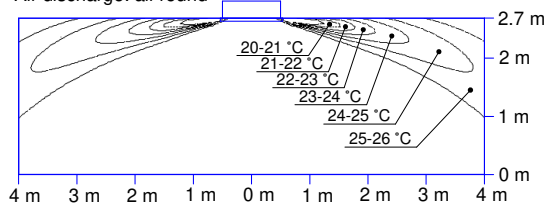
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



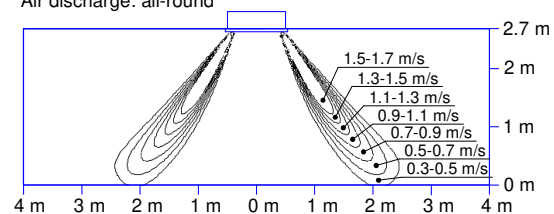
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



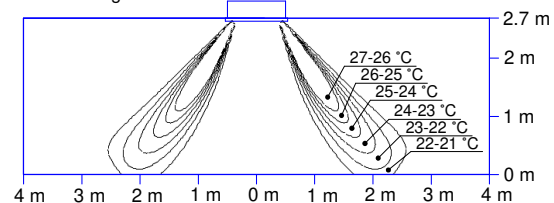
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121621A

10 Air flow patterns

10 - 1 Air flow pattern - Cooling and Heating

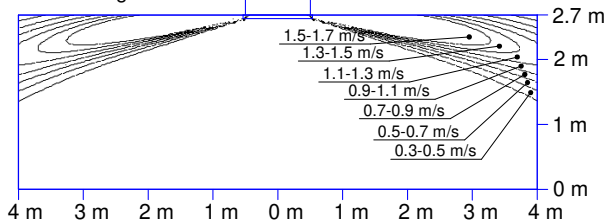
10

FCAG100B

Air velocity distribution (cooling)

Air flow direction: horizontal

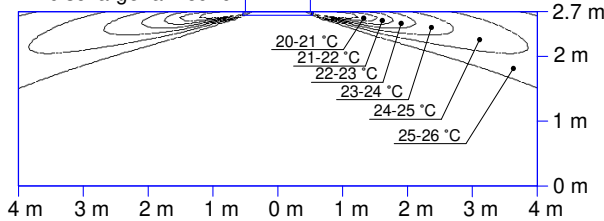
Air discharge: all-round



Air temperature distribution (cooling)

Air flow direction: horizontal

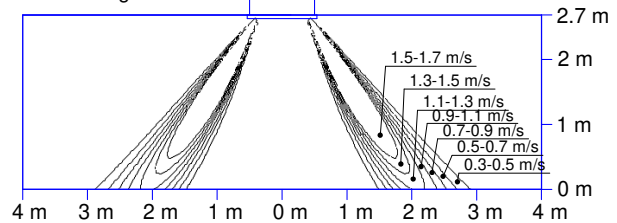
Air discharge: all-round



Air velocity distribution (heating)

Air flow direction: vertical

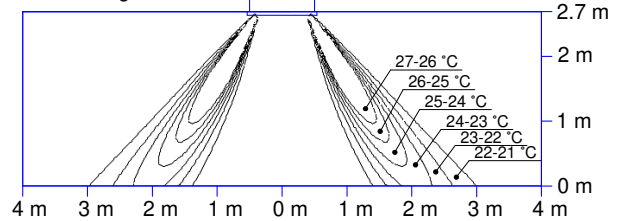
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical

Air discharge: all-round



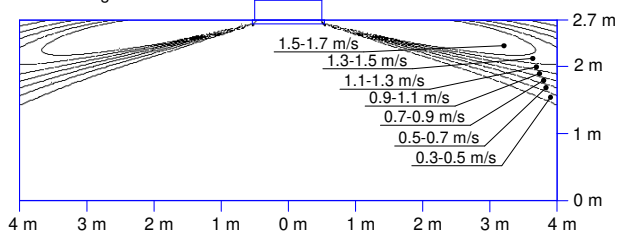
3D121622A

FCAG125-140B

Air velocity distribution (cooling)

Air flow direction: horizontal

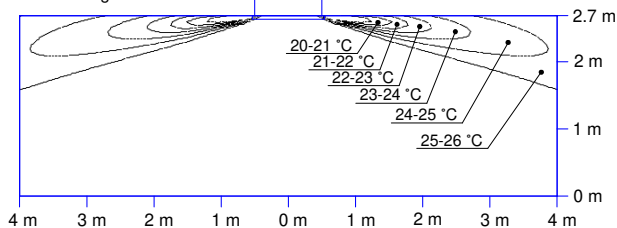
Air discharge: all-round



Air temperature distribution (cooling)

Air flow direction: horizontal

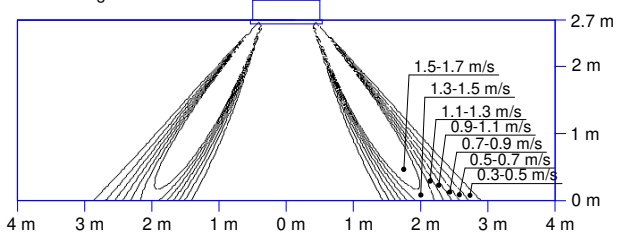
Air discharge: all-round



Air velocity distribution (heating)

Air flow direction: vertical

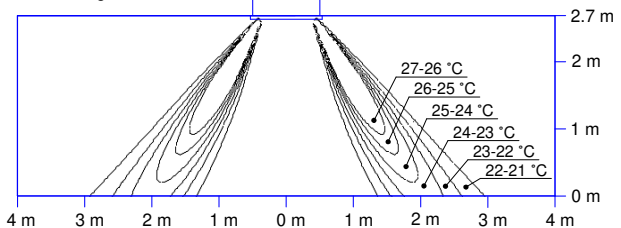
Air discharge: all-round



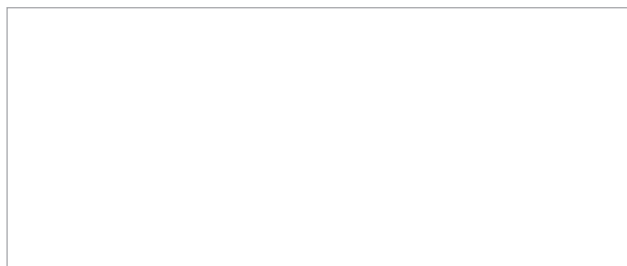
Air temperature distribution (heating)

Air flow direction: vertical

Air discharge: all-round



3D121623



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12/2022



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