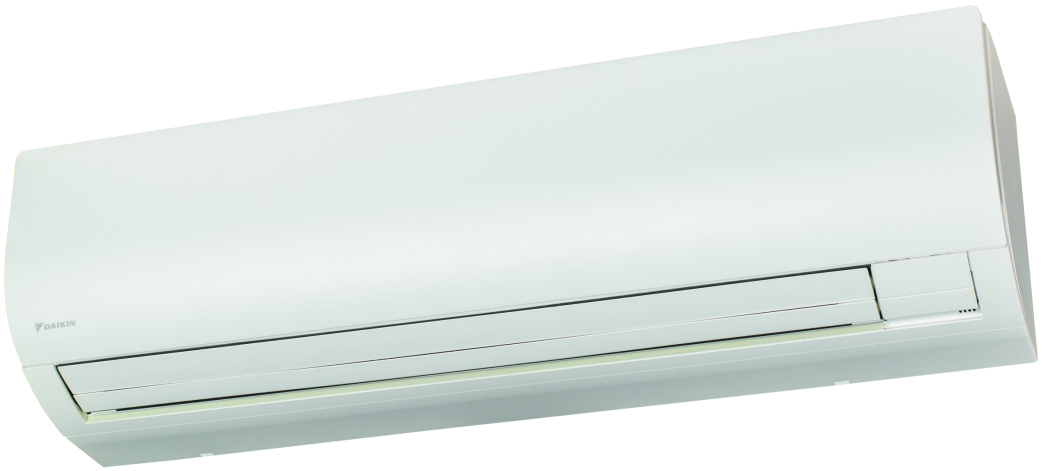
Wall mounted unit Air Conditioning Technical Data

FXAA-A



FXAA15AUV1B
FXAA20AUV1B
FXAA25AUV1B
FXAA32AUV1B
FXAA40AUV1B
FXAA50AUV1B
FXAA63AUV1B

EEDEN23

TABLE OF CONTENTS

FXAA-A

1	Features	4
	FXAA-A	4
2	Specifications	5
3	Electrical data	8
4	Safety device settings	9
5	Options	10
6	Capacity tables	11
	Cooling Capacity Tables	11
	Heating Capacity Tables	12
7	Dimensional drawings	13
8	Centre of gravity	14
9	Piping diagrams	16
10	Wiring diagrams	17
	Wiring Diagrams - Single Phase	17
11	Sound data	18
	Sound Power Spectrum	18
	Sound Pressure Spectrum	22
12	Air flow patterns	26
	Air flow pattern - Cooling and Heating	26

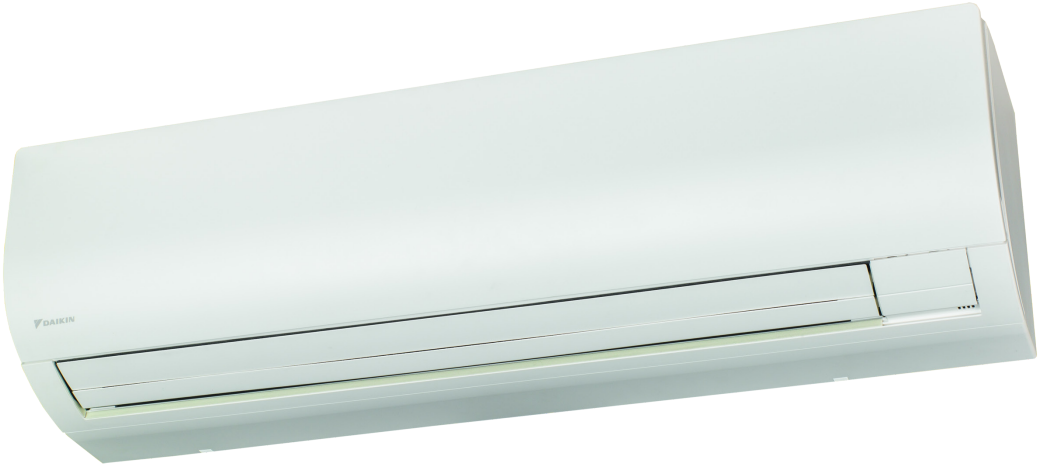
1 Features

1 - 1 FXAA-A

For rooms with no false ceilings nor free floor space

1

- Optimised design for R-32 refrigerant
- 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
- 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



Onecta app (optional) (optional - must be combined with Madoka wired remote controller)

Home leave operation

Fan only

Auto cooling-heating changeover

Whisper quiet

Vertical auto swing

Fan speed steps (3 steps + auto)

Dry programme

Air filter (pre filter)

Weekly timer (optional)

Infrared remote control (optional - must be combined with Madoka wired remote controller)

Wired remote control (required option)

Centralised control (optional)

Auto-restart

Self diagnosis

Multi tenant (optional)

Drain pump kit (optional)

2 Specifications

2 - 1 Specifications

Technical specifications					FXAA15A	FXAA20A	FXAA25A	FXAA32A
Cooling capacity	Sensible capacity	At high fan speed		kW	1.2	1.5	1.9	2.5
		At medium fan speed		kW	1.0	1.3	1.7	2.2
		At low fan speed		kW	1.0	1.2	1.5	1.9
	Latent capacity	At high fan speed		kW	0.5	0.7	0.9	1.1
		At medium fan speed		kW	0.5	0.6	0.8	0.9
		At low fan speed		kW	0.4	0.5	0.7	0.8
	Total capacity	At high fan speed		kW	1.7	2.2	2.8	3.6
		At medium fan speed		kW	1.5	1.9	2.5	3.1
		At low fan speed		kW	1.4	1.7	2.2	2.7
Heating capacity	Total capacity	At high fan speed		kW	1.9	2.5	3.2	4.0
		At medium fan speed		kW	1.6	2.1	2.7	3.4
		At low fan speed		kW	1.5	1.8	2.3	2.9
Power input - 50Hz	Cooling	At high fan speed		kW	0.017	0.019	0.028	0.030
		At medium fan speed		kW	0.017		0.024	0.023
		At low fan speed		kW	0.016	0.015	0.020	0.017
	Heating	At high fan speed		kW	0.025	0.029	0.034	0.035
		At medium fan speed		kW	0.022	0.024	0.027	0.025
		At low fan speed		kW	0.020		0.021	0.018
Dimensions	Unit	Height		mm	290			
		Width		mm	795			
		Depth		mm	266			
	Packed unit	Height		mm	368			
		Width		mm	863			
		Depth		mm	380			
Weight	Unit			kg	12			
	Packed unit			kg	15.0			
Casing	Colour				White			
Heat exchanger	Inside length			mm	613			
	Rows	Quantity			2			
	Fin pitch			mm	1.40			
	Face area			m^2	0.161			
	Stages	Quantity			14			
	Tube type				ø7 Hi-XSL			
	Fin	Type			Multi louver fin			
Fan	Type				Cross flow fan			
	Quantity				1			
Fan	Air flow rate - 50Hz	Cooling	At high fan speed	m^3/min	7.1	7.9	8.3	9.4
			At medium fan speed	m^3/min	6.8	7.2	7.4	8.0
			At low fan speed	m^3/min	6.5			
		Heating	At high fan speed	m^3/min	7.8	8.6	9.0	9.9
			At medium fan speed	m^3/min	7.1	7.5	7.7	8.2
			At low fan speed	m^3/min	6.5			
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	251	279	293	332
			At medium fan speed	cfm	240	254	261	283
			At low fan speed	cfm	230			
		Heating	At high fan speed	cfm	274	303	317	349
			At medium fan speed	cfm	252	266	273	290
			At low fan speed	cfm	230			
Sound power level	Cooling	At high fan speed		dBA	51.0	52.0	53.0	55.0
Sound pressure level	Cooling	At high fan speed		dBA	32.0	33.0	35.0	37.5
		At medium fan speed		dBA	30.5	31.0	32.0	33.0
		At low fan speed		dBA	28.5			
	Heating	At high fan speed		dBA	33.0	34.0	36.0	38.5
		At medium fan speed		dBA	31.0	31.5	32.5	33.5
		At low fan speed		dBA	28.5			
Fan motor	Quantity				1			
Refrigerant	Type				R-32			
	GWP				675.0			
Piping connections	Liquid	Type			Flare connection			
		OD		mm	6			
	Gas	Type			Flare connection			
		OD		mm	9.52			
	Drain				VP13 (I.D. 15/O.D. 18)			
	Heat insulation				Both liquid and gas pipes			
Air filter	Type				Removable / washable			
Safety devices	Item	01			PC board fuse			
Control systems	Infrared remote control				BRC7EA630			
	Wired remote control				BRC1H52W/S/K			

2 Specifications

2 - 1 Specifications

Technical specifications					FXAA40A	FXAA50A	FXAA63A
Cooling capacity	Sensible capacity	At high fan speed		kW	3.1	3.9	5.1
		At medium fan speed		kW	2.7	3.3	4.2
		At low fan speed		kW	2.3	2.8	3.4
	Latent capacity	At high fan speed		kW	1.4	1.7	2.0
		At medium fan speed		kW	1.2	1.4	1.6
		At low fan speed		kW	1.1	1.2	1.3
	Total capacity	At high fan speed		kW	4.5	5.6	7.1
		At medium fan speed		kW	3.9	4.7	5.8
		At low fan speed		kW	3.4	4.0	4.7
Heating capacity	Total capacity	At high fan speed		kW	5.0	6.3	8.0
		At medium fan speed		kW	4.2	5.1	6.3
		At low fan speed		kW	3.6	4.1	5.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.025	0.033	0.050
		At medium fan speed		kW	0.021	0.026	0.035
		At low fan speed		kW	0.018	0.020	0.023
	Heating	At high fan speed		kW	0.030	0.039	0.060
		At medium fan speed		kW	0.025	0.031	0.044
		At low fan speed		kW	0.021	0.024	0.031
Dimensions	Unit	Height		mm	290		
		Width		mm	1,050		
		Depth		mm	269		
	Packed unit	Height		mm	368		
		Width		mm	1,138		
		Depth		mm	380		
Weight	Unit			kg	15		
	Packed unit			kg	18.5		
Casing	Colour				White		
Heat exchanger	Inside length			mm	863		
	Rows	Quantity			2		
	Fin pitch			mm	1.40		
	Face area			m^2	0.235		
	Stages	Quantity			14		
	Tube type				ø7 Hi-XSL		
	Fin	Type			Multi louver fin		
Fan	Type				Cross flow fan		
	Quantity				1		
Fan	Air flow rate - 50Hz	Cooling	At high fan speed	m^3/min	12.2	14.2	18.2
			At medium fan speed	m^3/min	11.0	12.6	15.5
			At low fan speed	m^3/min	9.8	10.9	12.9
		Heating	At high fan speed	m^3/min	12.2	15.2	18.7
			At medium fan speed	m^3/min	11.0	13.7	16.4
			At low fan speed	m^3/min	9.8	12.1	14.1
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	431	501	643
			At medium fan speed	cfm	388	445	547
			At low fan speed	cfm	346	385	456
		Heating	At high fan speed	cfm	432	537	661
			At medium fan speed	cfm	389	482	579
			At low fan speed	cfm	346	427	497
Sound power level	Cooling	At high fan speed		dBA	55.0	58.0	63.0
Sound pressure level	Cooling	At high fan speed		dBA	37.0	41.0	46.5
		At medium fan speed		dBA	35.5	38.5	42.5
		At low fan speed		dBA	33.5	35.5	38.5
	Heating	At high fan speed		dBA	38.0	42.0	47.0
		At medium fan speed		dBA	36.0	39.0	43.0
		At low fan speed		dBA	33.5	35.5	38.5
Fan motor	Quantity				1		
Refrigerant	Type				R-32		
	GWP				675.0		
Piping connections	Liquid	Type			Flare connection		
		OD		mm	6		
	Gas	Type			Flare connection		
		OD		mm	12.70		
	Drain				VP13 (I.D. 15/O.D. 18)		
	Heat insulation				Both liquid and gas pipes		
Air filter	Type				Removable / washable		
Safety devices	Item	01			PC board fuse		
Control systems	Infrared remote control				BRC7EA630		
	Wired remote control				BRC1H52W/S/K		

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

Standard accessories: Installation plate;Quantity: 1;

Standard accessories: Installation pattern;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

2 Specifications

2 - 1 Specifications

Standard accessories: Wire clamp material;Quantity: 4;

Standard accessories: Heat insulating tape;Quantity: 1;

Standard accessories: General safety precautions;Quantity: 1;

Electrical specifications			FXAA15A	FXAA20A	FXAA25A	FXAA32A
Power supply	Name		V1			
	Phase		1~			
	Frequency	Hz	50			
	Voltage	V	220-240			
Current - 50Hz	Minimum circuit amps (MCA)	A	0.3		0.4	
	Maximum fuse amps (MFA)	A	6			
	Full load amps (FLA) Total	A	0.2		0.3	

Electrical specifications			FXAA40A	FXAA50A	FXAA63A
Power supply	Name		V1		
	Phase		1~		
	Frequency	Hz	50		
	Voltage	V	220-240		
Current - 50Hz	Minimum circuit amps (MCA)	A	0.4	0.5	0.6
	Maximum fuse amps (MFA)	A	6		
	Full load amps (FLA) Total	A	0.3	0.4	0.5

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB |
Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB |
The sound power level is an absolute value indicating the power which a sound source generates. |
Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits. |
Maximum allowable voltage range variation between phases is 2%. |
MCA/MFA: MCA = 1.1 x FLA |
Instead of a fuse, use a circuit breaker |
Select wire size based on the value of MCA |
Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

FXAA-A

Indoor unit				Power supply		IFM	Input	(W)
Model name	Hz	Voltage	Voltage range	MCA	MFA	FLA	Cooling	Heating
FXAA15AUV1B	50	220~240	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	0,30	6	0,2	17	25
FXAA20AUV1B	50	220~240	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	0,30	6	0,2	19	29
FXAA25AUV1B	50	220~240	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	0,40	6	0,3	28	34
FXAA32AUV1B	50	220~240	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	0,40	6	0,3	30	35
FXAA40AUV1B	50	220~240	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	0,40	6	0,3	25	30
FXAA50AUV1B	50	220~240	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	0,50	6	0,4	33	39
FXAA63AUV1B	50	220~240	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	0,60	6	0,5	50	60

Notes

1) The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.

2) The maximum allowable voltage that is unbalanced between phases is ·2·%.
3) MCA = 1.1 X FLA
4) Select the wire size according to the MCA.
5) Use a circuit breaker instead of a fuse.

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
FLA: Full Load Ampere [A]
IFM: Indoor fan motor

3D131083

4 Safety device settings

4 - 1 Safety Device Settings

FXAA-A

Model	Safety devices	Specifications
FXAA15AUV1B FXAA20AUV1B FXAA25AUV1B FXAA32AUV1B FXAA40AUV1B FXAA50AUV1B FXAA63AUV1B	PCB fuse	250V, 3.15A

4D131074

5 Options

5 - 1 Options

FXAA-A

Option kit	Product name	Availability
		FXAA15-63AUV1B
Wired remote control	BRC1H52W	✓
	BRC1H52S	✓
	BRC1H52K	✓
Digital input adaptor	BRP7A51 ①②	✓
Remote sensor	KRCS01-6B	✓
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	DST301BA51	✓
External adaptor for outdoor unit (installation on indoor unit)	DTA104A51 ②	✓
External adaptor for outdoor unit (installation on indoor unit)	DTA104A61 ②	✓
iTouch Controller	DCS601C51	✓
Intelligent Touch Manager	DCM601A51	✓
Intelligent Tablet Controller	DCC601A51	✓
Optional output PCB	ERP01A51 ②	✓
Wire harness for external wireless temperature sensor	EKEWTSC-1 ③	✓
Noise filter (for electromagnetic interface only)	KEK26-1A	✓
WLAN adaptor for smartphones	BRP069C51 ①	✓
Drain pump kit	K-KDU572KVE	✓
Installation box for adaptor PCB	KRP4A93	✓
Infrared remote controller	BRC7EA630 ①	✓
Wiring adaptor for electrical appendices	KRP2A51 ②	✓
Wiring adaptor for electrical appendices	KRP2A61 ②	✓
Wiring adaptor for electrical appendices	KRP4A51 ②	✓
Wiring adaptor for electrical appendices	ERP02A50 ②	✓
Adaptor for multi-tenant application (installation on outdoor unit)	DTA114A61	✓

Notes

① Only possible in combination with remote control ·BRC1H52W/S/K·.

② Requires installation box for adaptor PCB ·KRP4A93·.

③ ·EKEWTSC-1· 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.

3D131082F

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXAA-A

		Indoor air temperature													
		14,0 [°C WB]		16,0 [°C WB]		18,0 [°C WB]		19,0 [°C WB]		20,0 [°C WB]		22,0 [°C WB]		24,0 [°C WB]	
		20,0 [°C DB]		23,0 [°C DB]		26,0 [°C DB]		27,0 [°C DB]		28,0 [°C DB]		30,0 [°C DB]		32,0 [°C DB]	
Unit size	**Fan speed**	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	H	0,9	0,8	1,2	1,0	1,5	1,1	1,7	1,2	1,9	1,2	2,3	1,3	2,7	1,4
	M	Correction factor ·0.88 × H·													
	L	Correction factor ·0.82 × H·													
20	H	1,2	1,0	1,6	1,2	2,0	1,5	2,2	1,5	2,4	1,6	2,9	1,7	3,5	1,9
	M	Correction factor ·0.86 × H·													
	L	Correction factor ·0.77 × H·													
25	H	1,5	1,3	2,0	1,6	2,5	1,9	2,8	1,9	3,1	2,0	3,7	2,2	4,4	2,4
	M	Correction factor ·0.89 × H·													
	L	Correction factor ·0.79 × H·													
32	H	1,9	1,7	2,6	2,0	3,2	2,4	3,6	2,5	4,0	2,6	4,8	2,9	5,7	3,1
	M	Correction factor ·0.86 × H·													
	L	Correction factor ·0.75 × H·													
40	H	2,4	2,1	3,2	2,5	4,0	3,0	4,5	3,1	5,0	3,2	6,0	3,5	7,1	3,8
	M	Correction factor ·0.87 × H·													
	L	Correction factor ·0.76 × H·													
50	H	3,0	2,6	4,0	3,2	5,0	3,7	5,6	3,9	6,2	4,1	7,5	4,4	8,8	4,8
	M	Correction factor ·0.84 × H·													
	L	Correction factor ·0.71 × H·													
63	H	3,8	3,4	5,1	4,1	6,4	4,9	7,1	5,1	7,8	5,4	9,4	5,8	11,0	6,2
	M	Correction factor ·0.82 × H·													
	L	Correction factor ·0.66 × H·													

Notes

1) TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
2) Outdoor temperature ·35·°C DB

3D132172

6 Capacity tables

6 - 2 Heating Capacity Tables

FXAA-A

Unit size	Fan speed	Indoor air temperature					
		16,0 [°C DB]	18,0 [°C DB]	20,0 [°C DB]	21,0 [°C DB]	22,0 [°C DB]	24,0 [°C DB]
		TC	TC	TC	TC	TC	TC
15	H	2,2	2,1	1,9	1,8	1,7	1,6
	M	Correction factor ·0.84 × H·					
	L	Correction factor ·0.79 × H·					
20	H	2,9	2,7	2,5	2,4	2,3	2,1
	M	Correction factor ·0.84 × H·					
	L	Correction factor ·0.72 × H·					
25	H	3,8	3,5	3,2	3,1	2,9	2,7
	M	Correction factor ·0.84 × H·					
	L	Correction factor ·0.72 × H·					
32	H	4,7	4,3	4,0	3,8	3,7	3,3
	M	Correction factor ·0.85 × H·					
	L	Correction factor ·0.73 × H·					
40	H	5,9	5,4	5,0	4,8	4,6	4,2
	M	Correction factor ·0.84 × H·					
	L	Correction factor ·0.72 × H·					
50	H	7,4	6,8	6,3	6,0	5,8	5,2
	M	Correction factor ·0.81 × H·					
	L	Correction factor ·0.65 × H·					
63	H	9,4	8,7	8,0	7,7	7,3	6,6
	M	Correction factor ·0.79 × H·					
	L	Correction factor ·0.63 × H·					

Notes

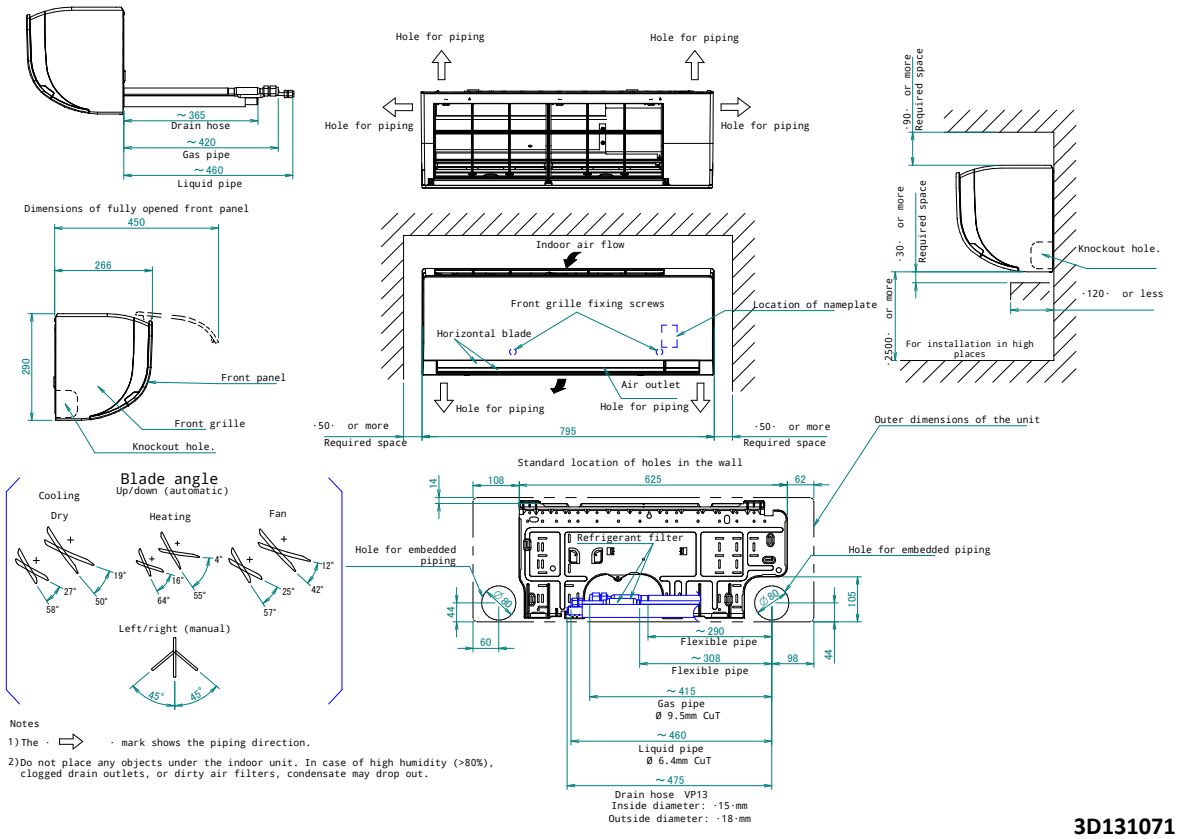
1) TC: Total capacity [kW]
2) Outdoor temperature ·7·°C DB / ·6·°C WB

3D132173

7 Dimensional drawings

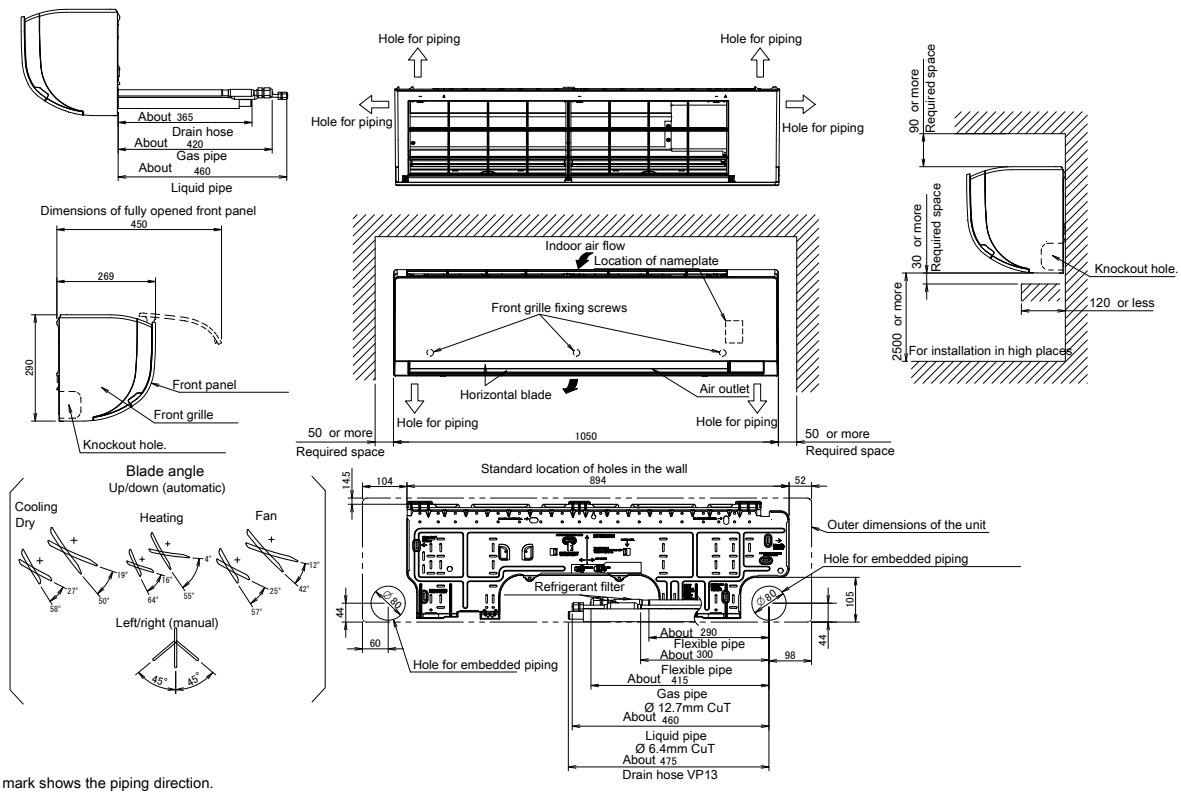
7 - 1 Dimensional Drawings

FXAA15-32A



3D131071

FXAA40-63A

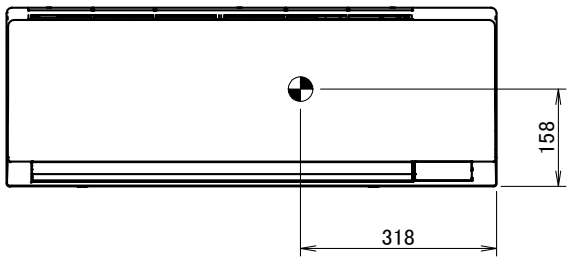


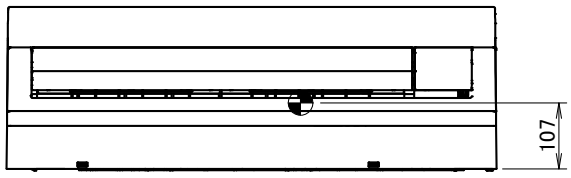
3D111369

8 Centre of gravity

8 - 1 Centre of Gravity

FXAA15-32A



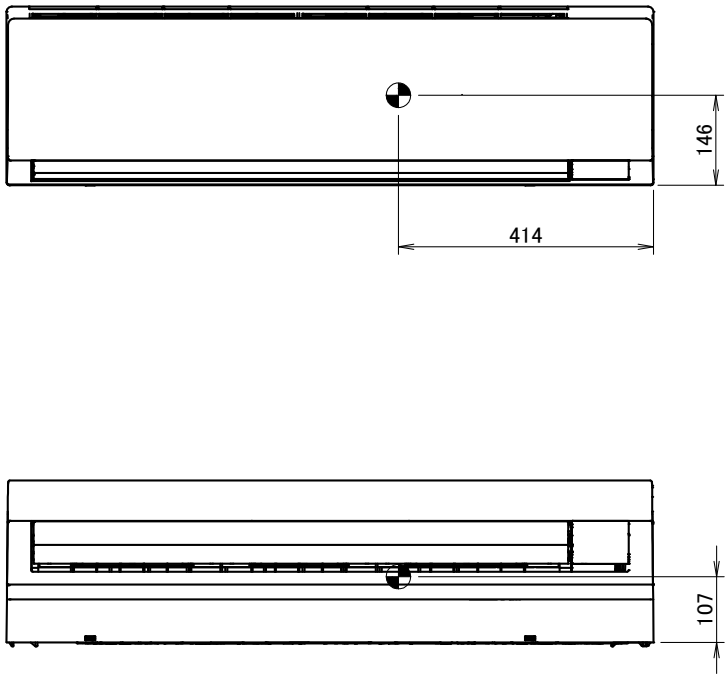


4D112526

8 Centre of gravity

8 - 1 Centre of Gravity

FXAA40-63A



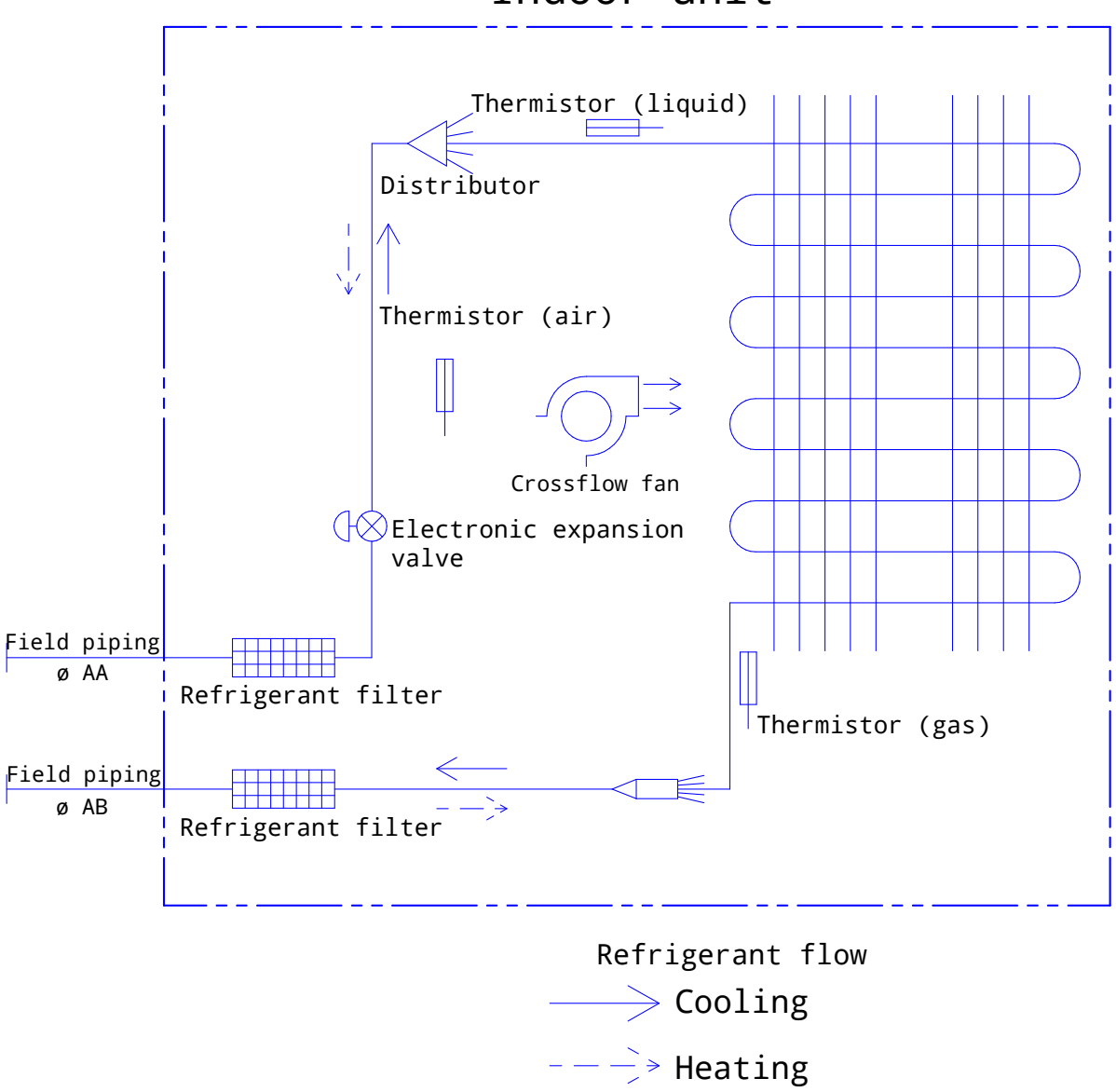
4D112525

9 Piping diagrams

9 - 1 Piping Diagrams

9

FXAA-A



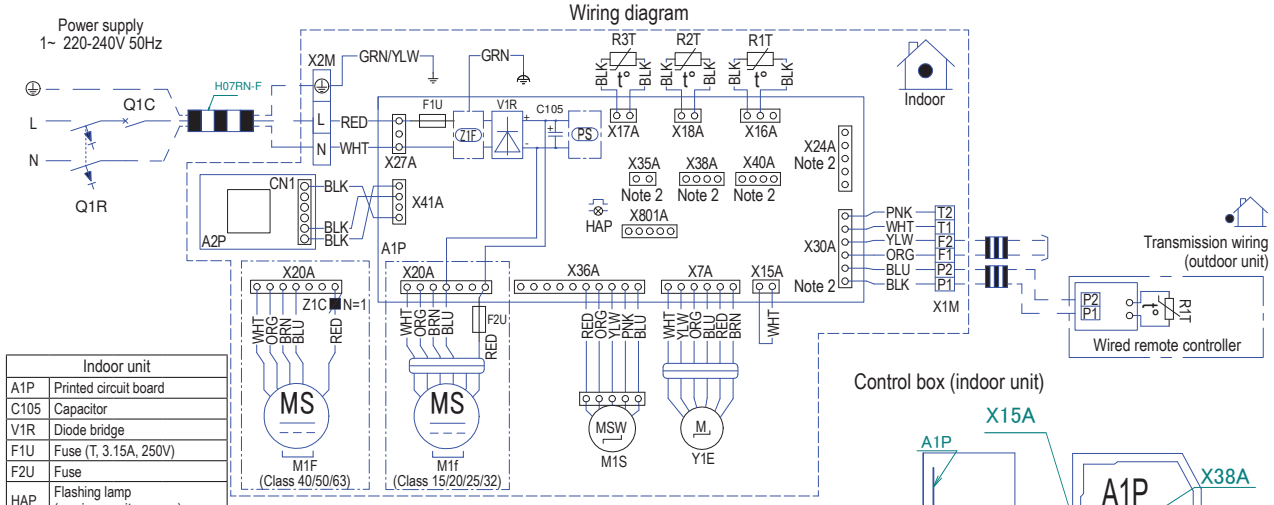
Model	ø AA	ø AB
FXAA15AUV1B FXAA20AUV1B FXAA25AUV1B FXAA32AUV1B	6.35	9.52
FXAA40AUV1B FXAA50AUV1B FXAA63AUV1B	6.35	12.7

4D131072

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXAA-A



Indoor unit	
A1P	Printed circuit board
C105	Capacitor
V1R	Diode bridge
F1U	Fuse (T, 3.15A, 250V)
F2U	Fuse
HAP	Flashing lamp (service monitor green)
M1F	Motor(indoor fan)
M1S	Motor(swing flap)
R1T	Thermistor(air)
R2T	Thermistor(coil liquid pipe)
R3T	Thermistor(coil gas pipe)
X1M	Terminal block(control)
X2M	Terminal block(power)
Y1E	Electronic expansion valve
PS	Switching power supply
Z1C	Ferrite core
Z1F	Noise filter
CN1	Gas sensor connector
A2P	Printed circuit board - (gas sensor)
Q1R	Residual current device
Q1C	Circuit breaker

Wire indication colors			
RED:	Red	BLK:	Black
WHT:	White	ORG:	Orange
GRN:	Green	BLU:	Blue
PNK:	Pink	BRN:	Brown
YLW:	Yellow		
Wired remote controller			
R1T	Thermistor (air)		

NOTES

1. □□□: terminal block, ⊐: connector, ▭: short circuit connector, ▮▮▮: field wiring, ⏚: protective earth (screw), : noiseless earth
2. X15A,X24A,X35A, X38A, X40A AND X801A are connected when the optional accessories are used.

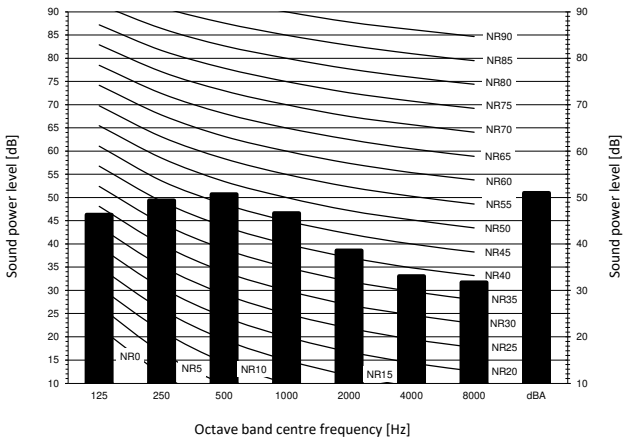
3D129230B

11 Sound data

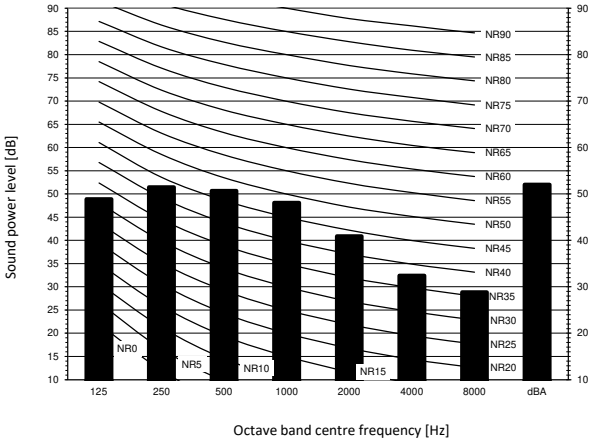
11 - 1 Sound Power Spectrum

FXAA15A

Cooling mode



Heating mode



Notes

Fan speed

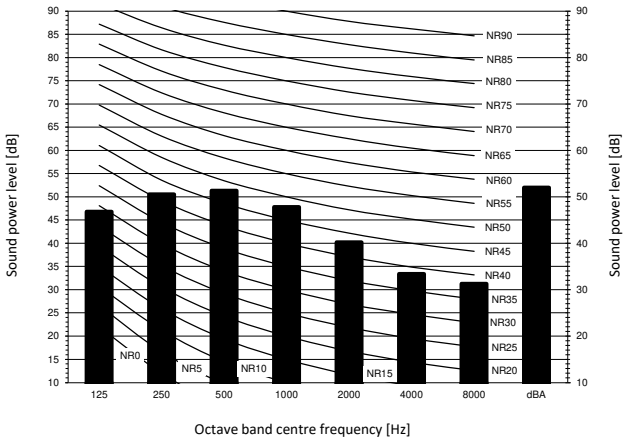
High

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 µPa
3. Measured according to ISO 3744

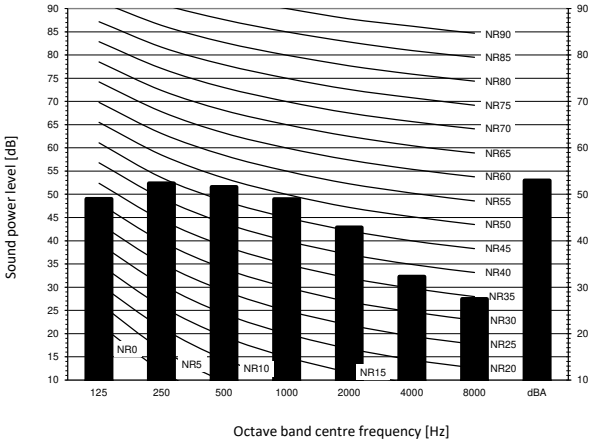
3D131735

FXAA20A

Cooling mode



Heating mode



Notes

Fan speed

High

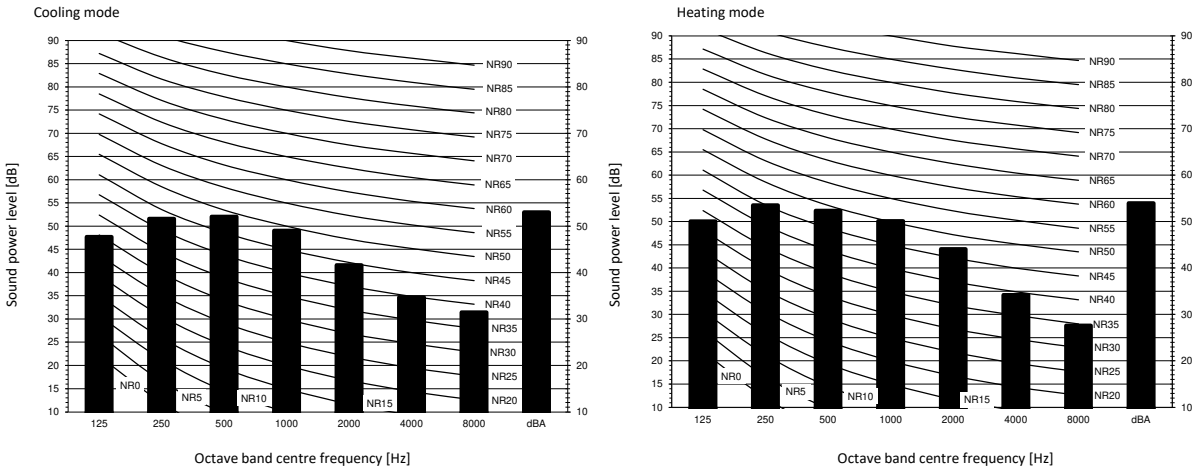
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 µPa
3. Measured according to ISO 3744

3D131739

11 Sound data

11 - 1 Sound Power Spectrum

FXAA25A



Notes

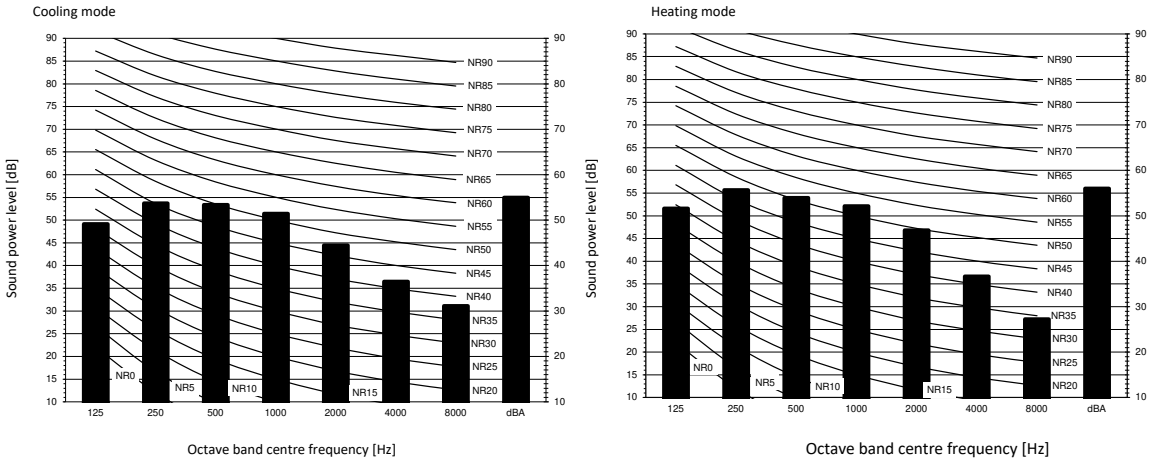
Fan speed

High

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 µPa
3. Measured according to ISO 3744

3D131741

FXAA32A



Notes

Fan speed

High

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 µPa
3. Measured according to ISO 3744

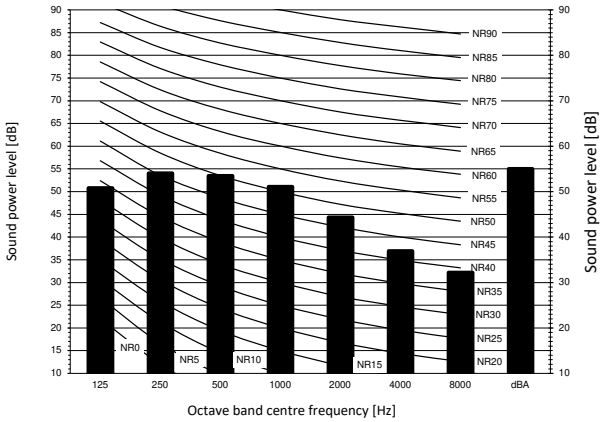
3D131742

11 Sound data

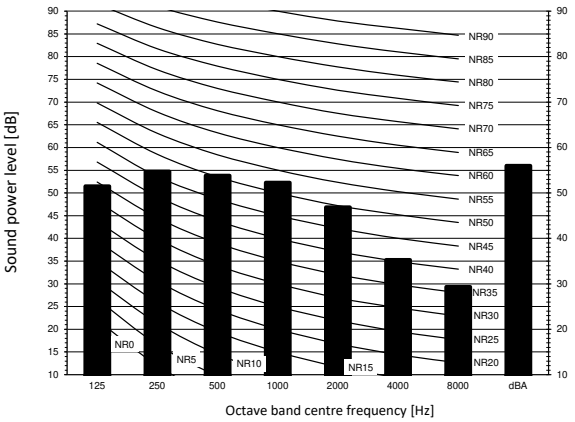
11 - 1 Sound Power Spectrum

FXAA40A

Cooling mode



Heating mode



Fan speed

High

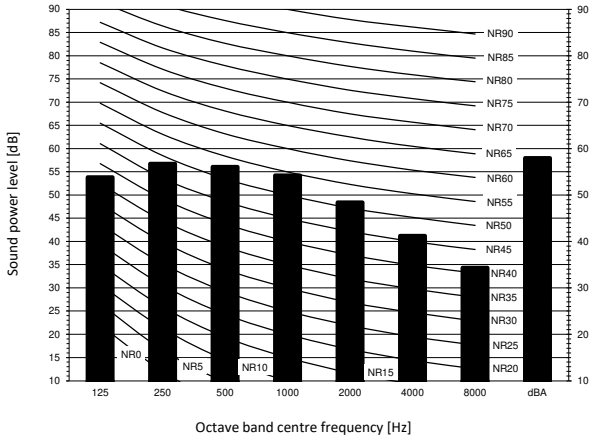
Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 µPa
3. Measured according to ISO 3744

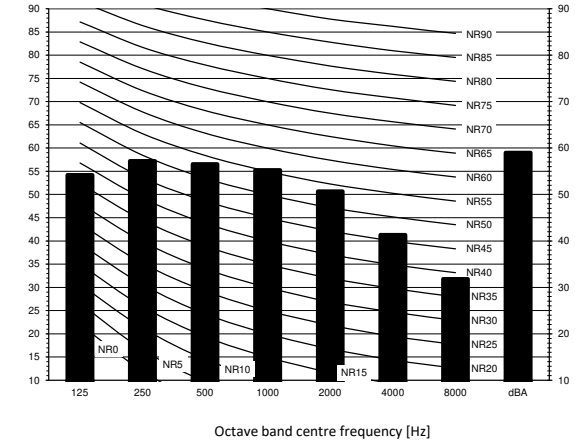
3D131743

FXAA50A

Cooling mode



Heating mode



Fan speed

High

Notes

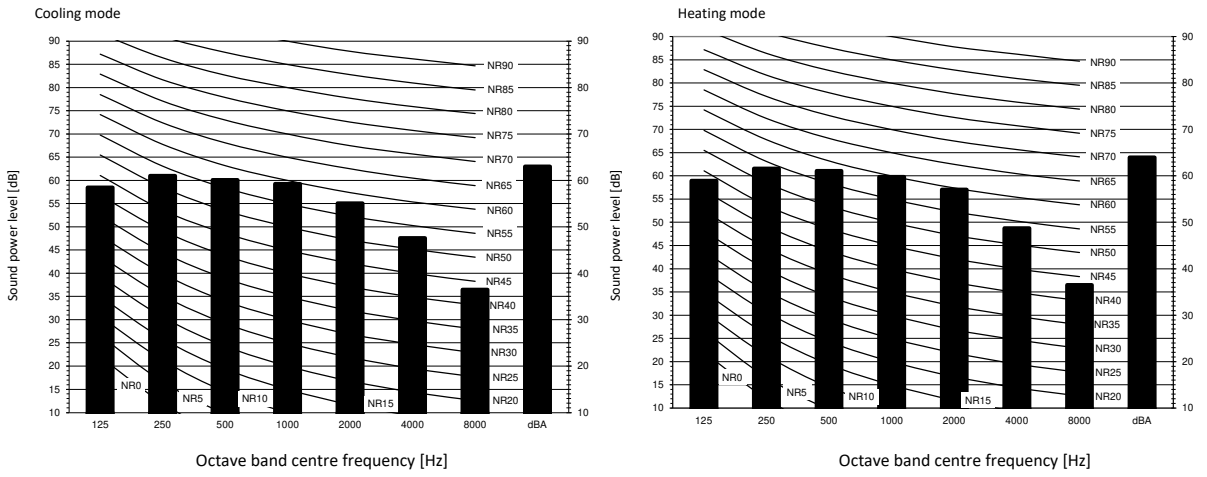
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 µPa
3. Measured according to ISO 3744

3D131744

11 Sound data

11 - 1 Sound Power Spectrum

FXAA63A



Fan speed

High

Notes

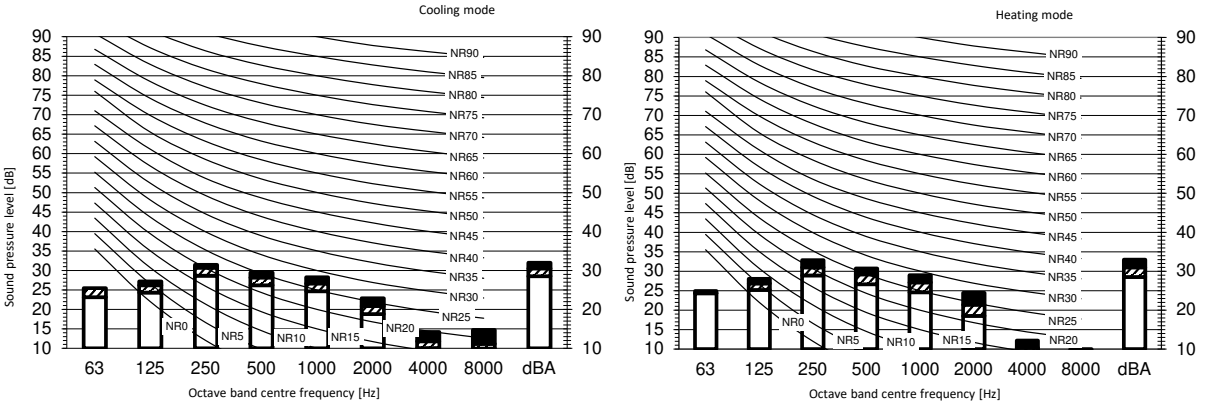
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 µPa
3. Measured according to ISO 3744

3D131745

11 Sound data

11 - 2 Sound Pressure Spectrum

FXAA15A



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

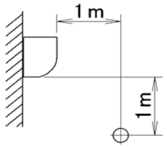
Cooling Total dB

A	B	C	D
dBA	32,0	30,5	28,5

Heating Total dB

A	B	C	D
dBA	33,0	31,0	28,5

Location of microphone

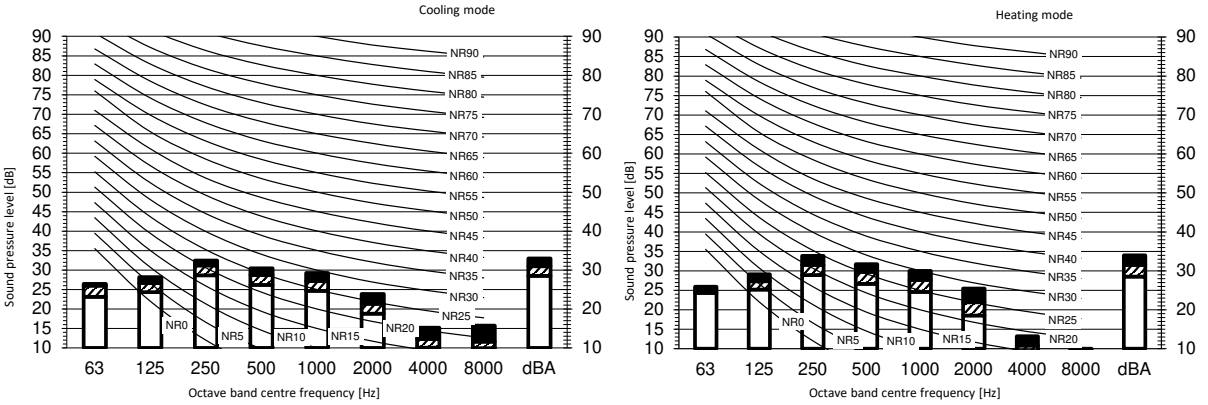


Notes

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

3D131189

FXAA20A



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

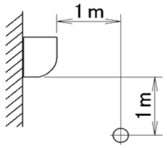
Cooling Total dB

A	B	C	D
dBA	33,0	31,0	28,5

Heating Total dB

A	B	C	D
dBA	34,0	31,5	28,5

Location of microphone



Notes

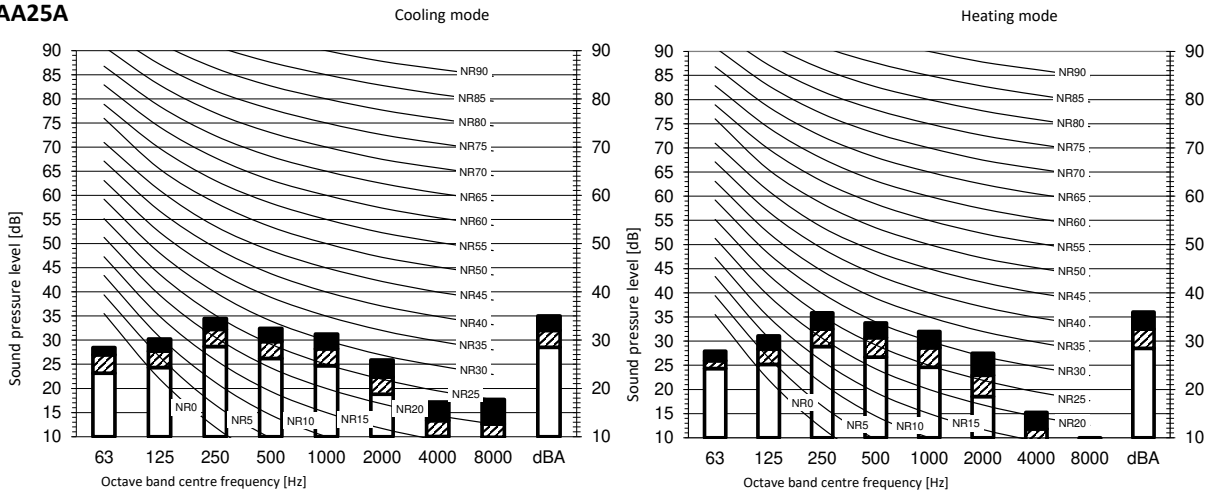
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

3D131190

11 Sound data

11 - 2 Sound Pressure Spectrum

FXAA25A



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

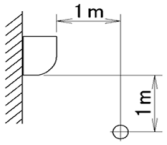
Cooling — Total dB

A	B	C	D
dBA	35,0	32,0	28,5

Heating — Total dB

A	B	C	D
dBA	36,0	32,5	28,5

Location of microphone

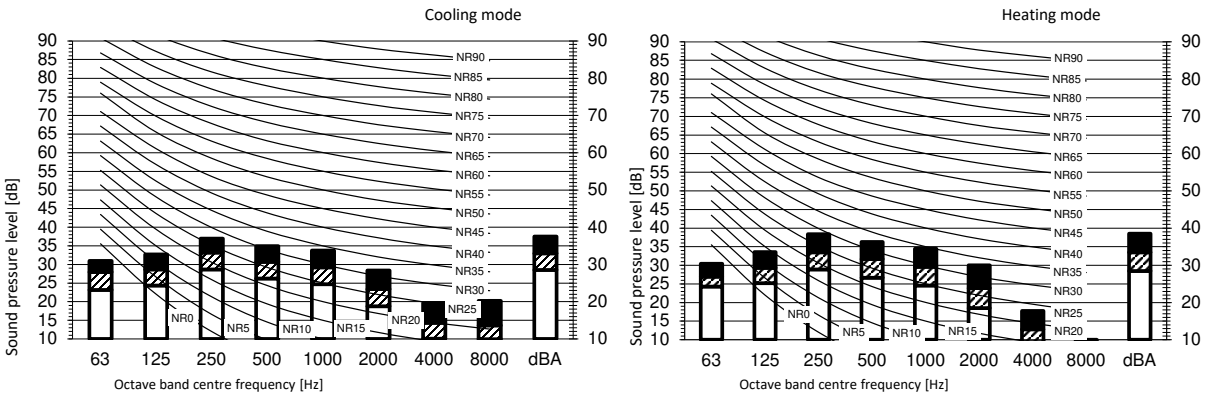


Notes

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

3D131191

FXAA32A



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

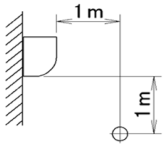
Cooling — Total dB

A	B	C	D
dBA	37,5	33,0	28,5

Heating — Total dB

A	B	C	D
dBA	38,5	33,5	28,5

Location of microphone



Notes

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

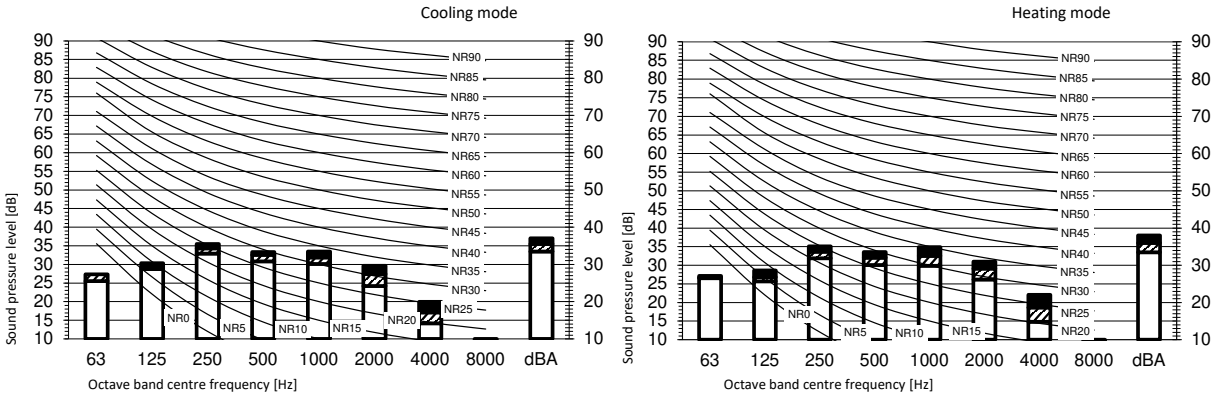
3D131192

11 Sound data

11 - 2 Sound Pressure Spectrum

11

FXAA40A



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

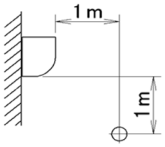
Cooling Total dB

A	B	C	D
dBA	37,0	35,5	33,5

Heating Total dB

A	B	C	D
dBA	38,0	36,0	33,5

Location of microphone

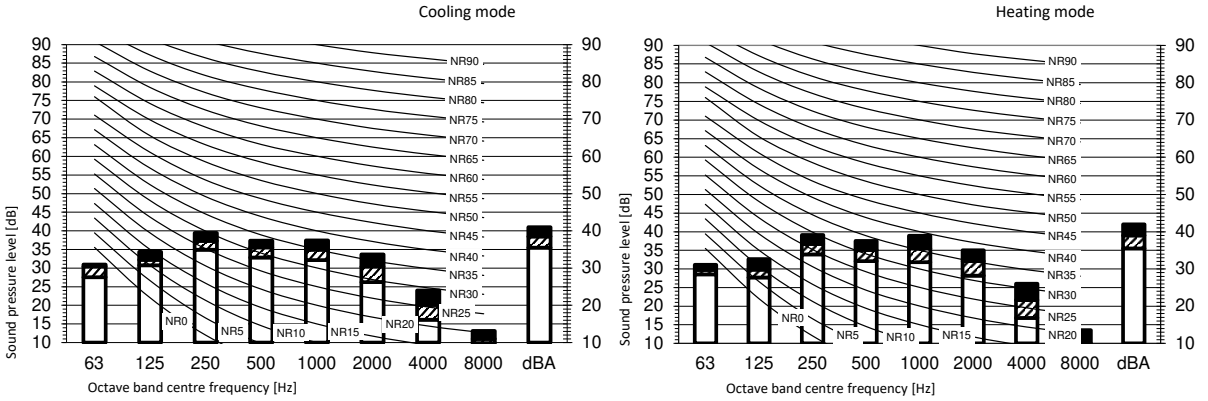


Notes

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

3D131193

FXAA50A



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

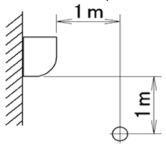
Cooling Total dB

A	B	C	D
dBA	41,0	38,5	35,5

Heating Total dB

A	B	C	D
dBA	42,0	39,0	35,5

Location of microphone



Notes

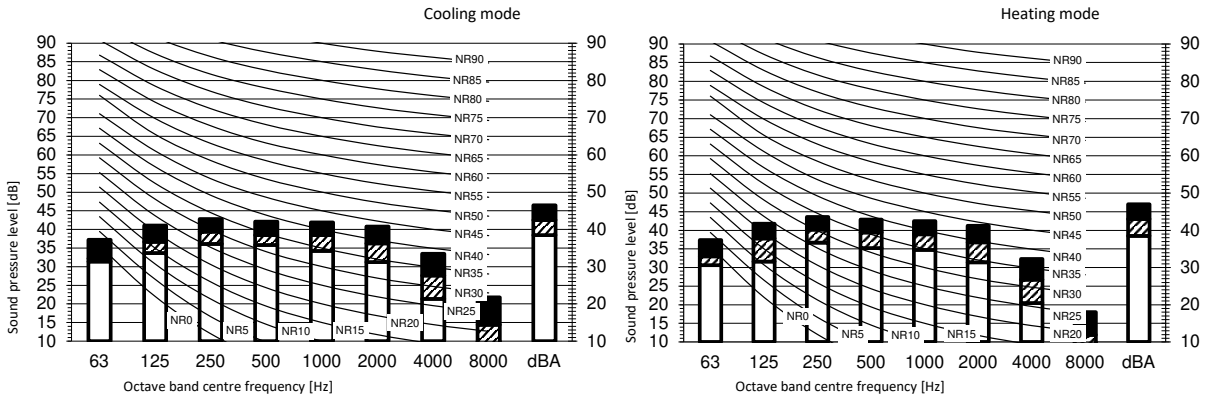
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

3D131194

11 Sound data

11 - 2 Sound Pressure Spectrum

FXAA63A



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

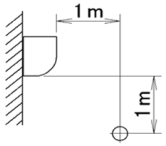
Cooling Total dB

A	B	C	D
dBA	46,5	42,5	38,5

Heating Total dB

A	B	C	D
dBA	47,0	43,0	38,5

Location of microphone



Notes

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

3D131195

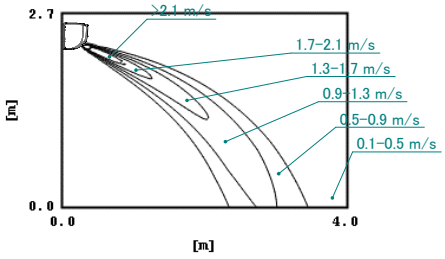
12 Air flow patterns

12 - 1 Air flow pattern - Cooling and Heating

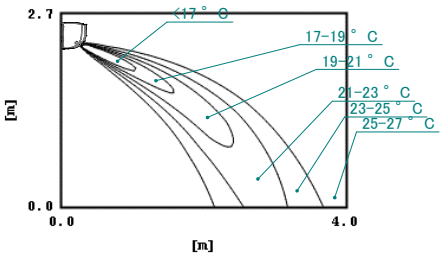
12

FXAA15A

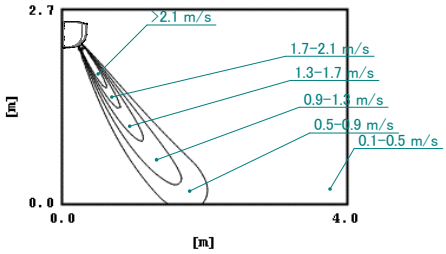
Air velocity distribution (cooling)
Air flow direction: horizontal



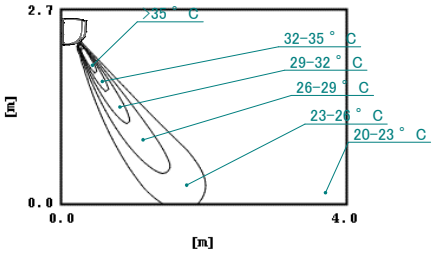
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



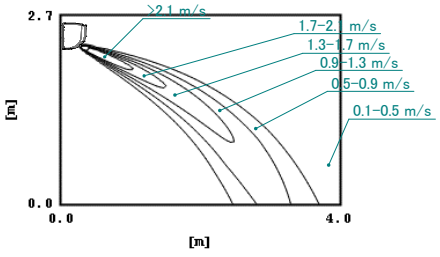
Air temperature distribution (heating)
Air flow direction: vertical



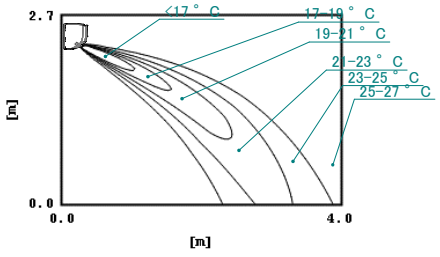
3D134855

FXAA20A

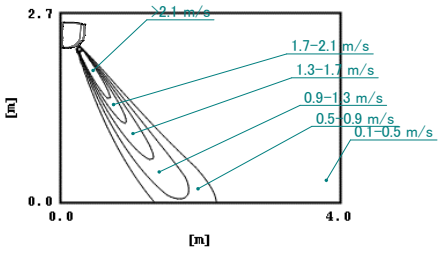
Air velocity distribution (cooling)
Air flow direction: horizontal



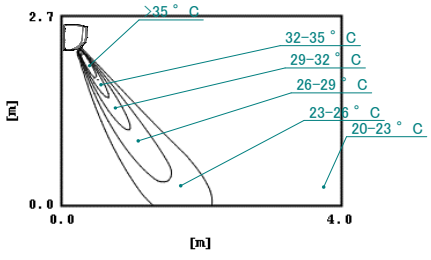
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



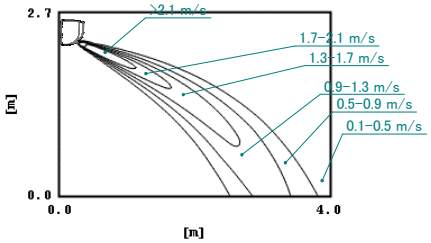
3D134856

12 Air flow patterns

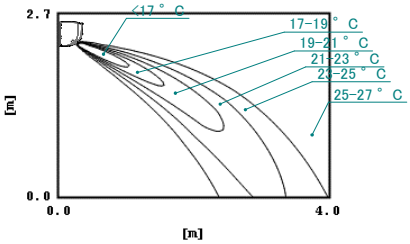
12 - 1 Air flow pattern - Cooling and Heating

FXAA25A

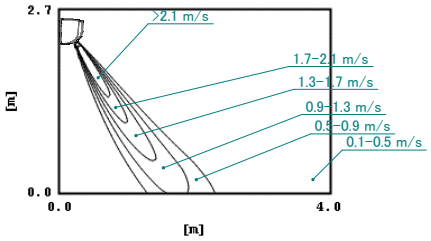
Air velocity distribution (cooling)
Air flow direction: horizontal



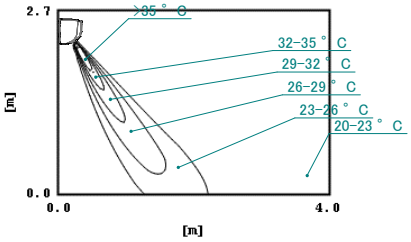
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



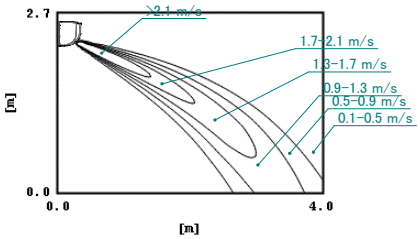
Air temperature distribution (heating)
Air flow direction: vertical



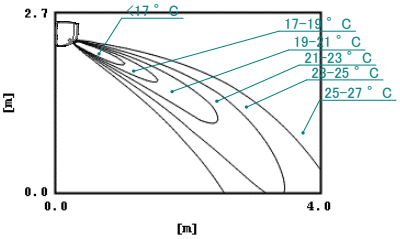
3D134858

FXAA32A

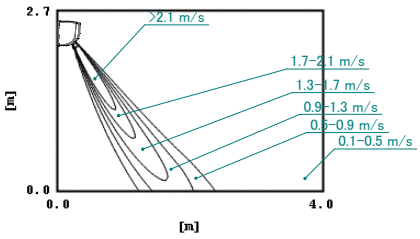
Air velocity distribution (cooling)
Air flow direction: horizontal



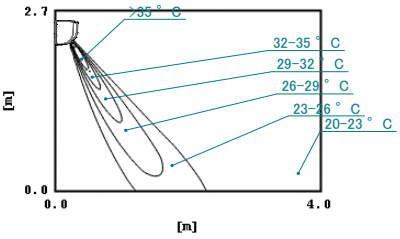
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



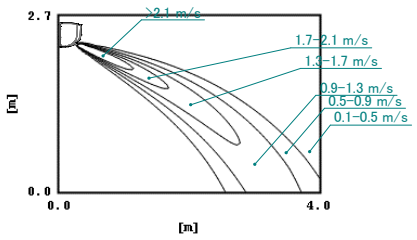
3D134859

12 Air flow patterns

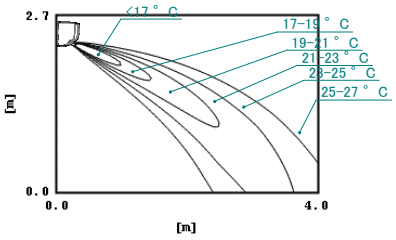
12 - 1 Air flow pattern - Cooling and Heating

FXAA40A

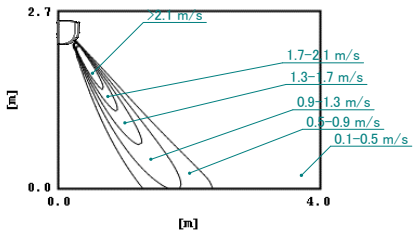
Air velocity distribution (cooling)
Air flow direction: horizontal



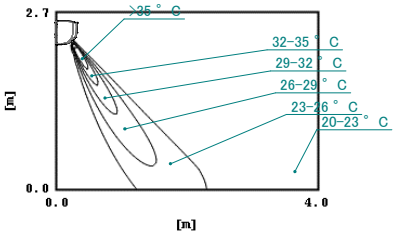
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



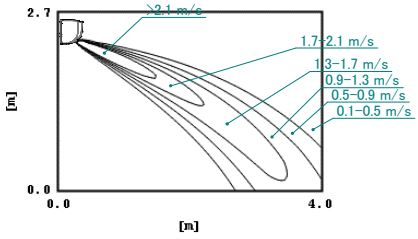
Air temperature distribution (heating)
Air flow direction: vertical



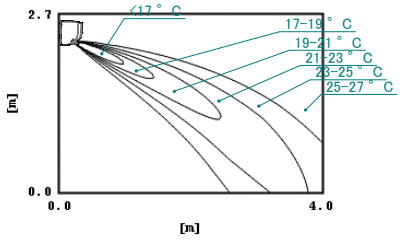
3D134860

FXAA50A

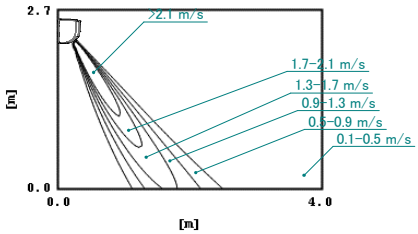
Air velocity distribution (cooling)
Air flow direction: horizontal



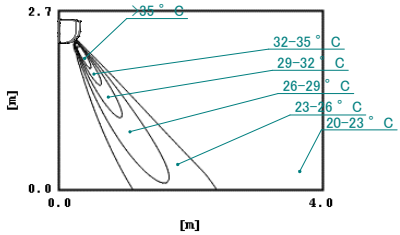
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



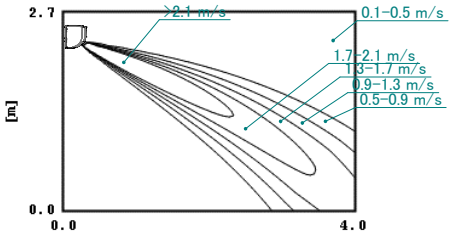
3D134861

12 Air flow patterns

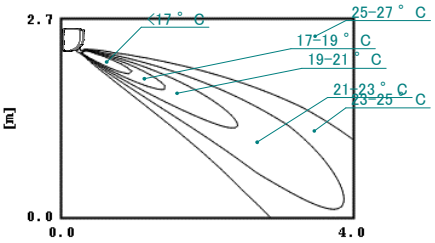
12 - 1 Air flow pattern - Cooling and Heating

FXAA63A

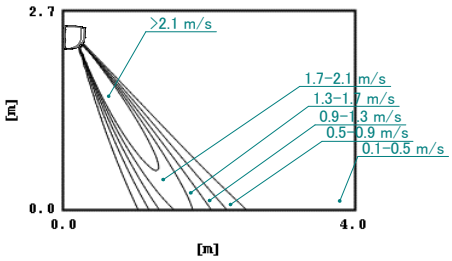
Air velocity distribution (cooling)
Air flow direction: horizontal



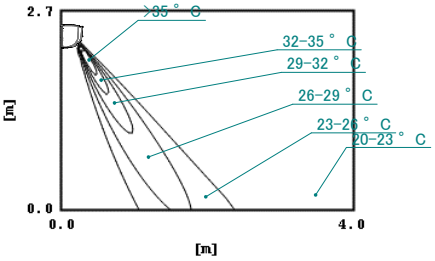
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



3D134863

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)

EEDEN23 05/2023

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. / Daikin Central Europe HandelsGmbH. Daikin Europe N.V. / Daikin Central Europe HandelsGmbH have compiled the content of this publication to the best of their 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. / Daikin Central Europe HandelsGmbH 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 publication. All content is copyrighted by Daikin Europe N.V.