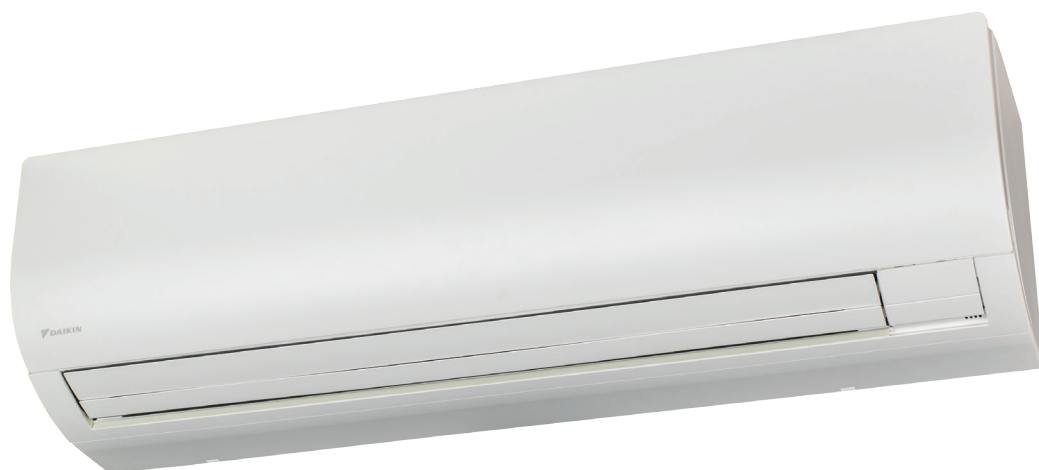


Wall mounted unit Technical data book FXAA-A



FXAA15AUV1B
FXAA20AUV1B
FXAA25AUV1B
FXAA32AUV1B
FXAA40AUV1B
FXAA50AUV1B
FXAA63AUV1B

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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



Home leave operation



Fan only



Auto cooling-heating changeover



Whisper quiet



Vertical auto swing



Fan speed steps



Dry programme



Air filter



Weekly timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart



Self diagnosis



Multi tenant



Drain pump kit

2 Specifications

1 - 1 FXAA-A

Technical specifications				FXAA15A	FXAA20A	FXAA25A	FXAA32A	FXAA40A	FXAA50A	FXAA63A	
Cooling capacity	Sensible capacity	At high fan speed	kW	1.2	1.5	1.9	2.5	3.1	3.9	5.1	
		At medium fan speed	kW	1.0	1.3	1.7	2.2	2.7	3.3	4.2	
		At low fan speed	kW	1.0	1.2	1.5	1.9	2.3	2.8	3.4	
	Latent capacity	At high fan speed	kW	0.5	0.7	0.9	1.1	1.4	1.7	2.0	
		At medium fan speed	kW	0.5	0.6	0.8	0.9	1.2	1.4	1.6	
		At low fan speed	kW	0.4	0.5	0.7	0.8	1.1	1.2	1.3	
	Total capacity	At high fan speed	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	
		At medium fan speed	kW	1.5	1.9	2.5	3.1	3.9	4.7	5.8	
At low fan speed		kW	1.4	1.7	2.2	2.7	3.4	4.0	4.7		
Heating capacity	Total capacity	At high fan speed	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0	
		At medium fan speed	kW	1.6	2.1	2.7	3.4	4.2	5.1	6.3	
		At low fan speed	kW	1.5	1.8	2.3	2.9	3.6	4.1	5.0	
Power input - 50Hz	Cooling	At high fan speed	kW	0.017	0.019	0.028	0.030	0.025	0.033	0.050	
		At medium fan speed	kW	0.017		0.024	0.023	0.021	0.026	0.035	
		At low fan speed	kW	0.016	0.015	0.020	0.017	0.018	0.020	0.023	
	Heating	At high fan speed	kW	0.025	0.029	0.034	0.035	0.030	0.039	0.060	
		At medium fan speed	kW	0.022	0.024	0.027	0.025		0.031	0.044	
		At low fan speed	kW	0.020		0.021	0.018	0.021	0.024	0.031	
Dimensions	Unit	Height	mm	290							
		Width	mm	795				1,050			
		Depth	mm	266				269			
	Packed unit	Height	mm	368							
		Width	mm	863				1,138			
		Depth	mm	380							
Weight	Unit	kg	12				15				
	Packed unit	kg	15.0				18.5				
Casing	Colour			White							
Heat exchanger	Inside length		mm	613				863			
	Rows	Quantity		2							
	Fin pitch		mm	1.40							
	Face area		m²	0.161				0.235			
	Stages	Quantity		14							
	Tube type			ø7 Hi-XSL							
	Fin Type			ML fin (Multi louver)							
Fan	Type			Cross flow fan							
	Quantity			1							
Fan	Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	7.1	7.9	8.3	9.4	12.2	14.2	18.2
			At medium fan speed	m³/min	6.8	7.2	7.4	8.0	11.0	12.6	15.5
			At low fan speed	m³/min	6.5				9.8	10.9	12.9
		Heating	At high fan speed	m³/min	7.8	8.6	9.0	9.9	12.2	15.2	18.7
			At medium fan speed	m³/min	7.1	7.5	7.7	8.2	11.0	13.7	16.4
			At low fan speed	m³/min	6.5				9.8	12.1	14.1
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	251	279	293	332	431	501	643
			At medium fan speed	cfm	240	254	261	283	388	445	547
			At low fan speed	cfm	230				346	385	456
		Heating	At high fan speed	cfm	274	303	317	349	432	537	661
			At medium fan speed	cfm	252	266	273	290	389	482	579
			At low fan speed	cfm	230				346	427	497
Sound power level	Cooling	At high fan speed	dBA	51.0	52.0	53.0	55.0		58.0	63.0	
Sound pressure level	Cooling	At high fan speed	dBA	32.0	33.0	35.0	37.5	37.0	41.0	46.5	
		At medium fan speed	dBA	30.5	31.0	32.0	33.0	35.5	38.5	42.5	
		At low fan speed	dBA	28.5				33.5	35.5	38.5	
	Heating	At high fan speed	dBA	33.0	34.0	36.0	38.5	38.0	42.0	47.0	
		At medium fan speed	dBA	31.0	31.5	32.5	33.5	36.0	39.0	43.0	
		At low fan speed	dBA	28.5				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	6,35							
	Gas	Type		Flare connection							
		OD	mm	9.52				12.70			
	Drain				VP13 (I.D. 15/O.D. 18)						
Heat insulation				Both liquid and gas pipes							
Air filter	Type			Removable / washable							

2 Specifications

1 - 1 FXAA-A

2

Technical specifications			FXAA15A	FXAA20A	FXAA25A	FXAA32A	FXAA40A	FXAA50A	FXAA63A
Safety devices	Item	01	PC board fuse						
Control systems	Infrared remote control		BRC7EA628 / BRC7EA629						
	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;

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	FXAA40A	FXAA50A	FXAA63A
Power supply	Name		V1						
	Phase		1~						
	Frequency	Hz	50						
	Voltage	V	220-240						
Current - 50Hz	Minimum circuit amps (MCA)	A	0.3			0.4		0.5	0.6
	Maximum fuse amps (MFA)	A				6			
	Full load amps (FLA) Total	A	0.2			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	0,30	6	0,2	17	25
			Minimum :50-Hz :198-V					
FXAA20AUV1B	50	220~240	Maximum :50-Hz :264-V	0,30	6	0,2	19	29
			Minimum :50-Hz :198-V					
FXAA25AUV1B	50	220~240	Maximum :50-Hz :264-V	0,40	6	0,3	28	34
			Minimum :50-Hz :198-V					
FXAA32AUV1B	50	220~240	Maximum :50-Hz :264-V	0,40	6	0,3	30	35
			Minimum :50-Hz :198-V					
FXAA40AUV1B	50	220~240	Maximum :50-Hz :264-V	0,40	6	0,3	25	30
			Minimum :50-Hz :198-V					
FXAA50AUV1B	50	220~240	Maximum :50-Hz :264-V	0,50	6	0,4	33	39
			Minimum :50-Hz :198-V					
FXAA63AUV1B	50	220~240	Maximum :50-Hz :264-V	0,60	6	0,5	50	60
			Minimum :50-Hz :198-V					

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) $MCA = 1.1 \times FLA$
- 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

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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	KRCS01-8B	✓
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	✓
Relay 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-KDU572EVE	✓
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	✓

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.

3D131082A

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXAA-A

Unit size	Fan speed	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]	
		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

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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

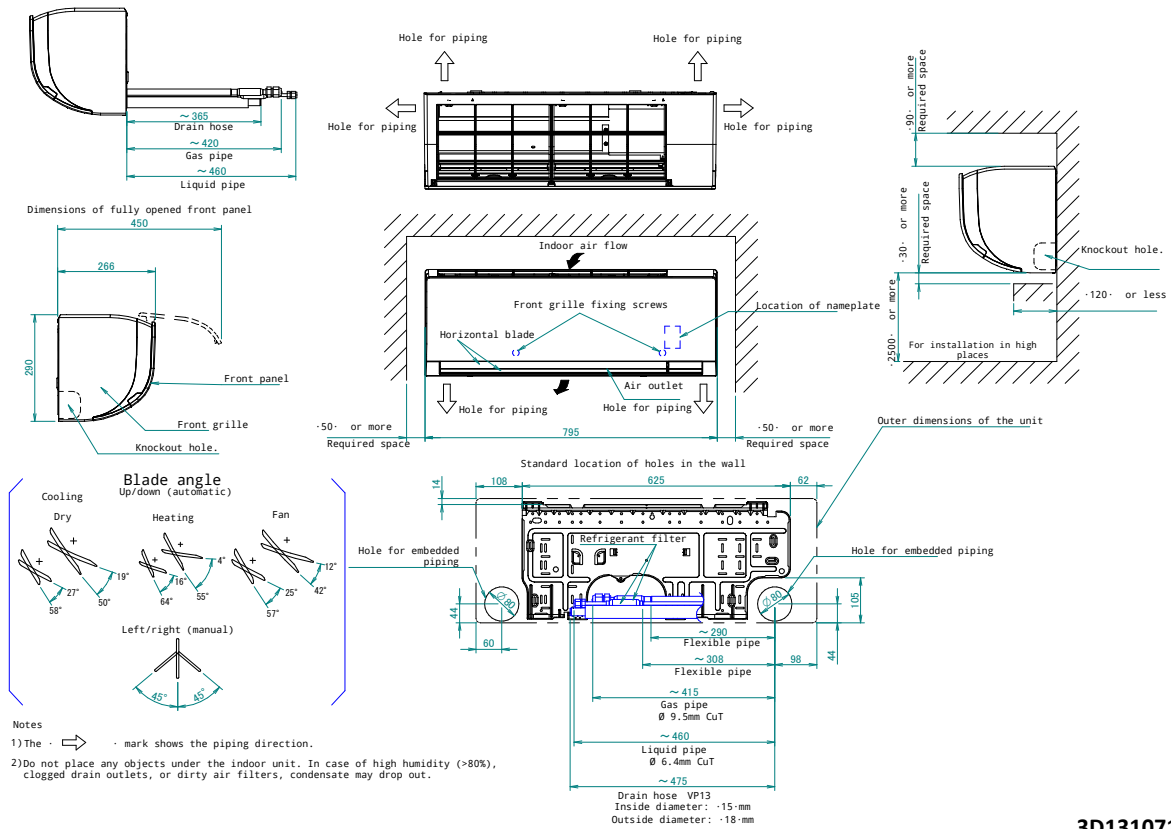
- 1) TC: Total capacity [kW]
- 2) Outdoor temperature · 7·°C DB / · 6·°C WB

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7 Dimensional drawings

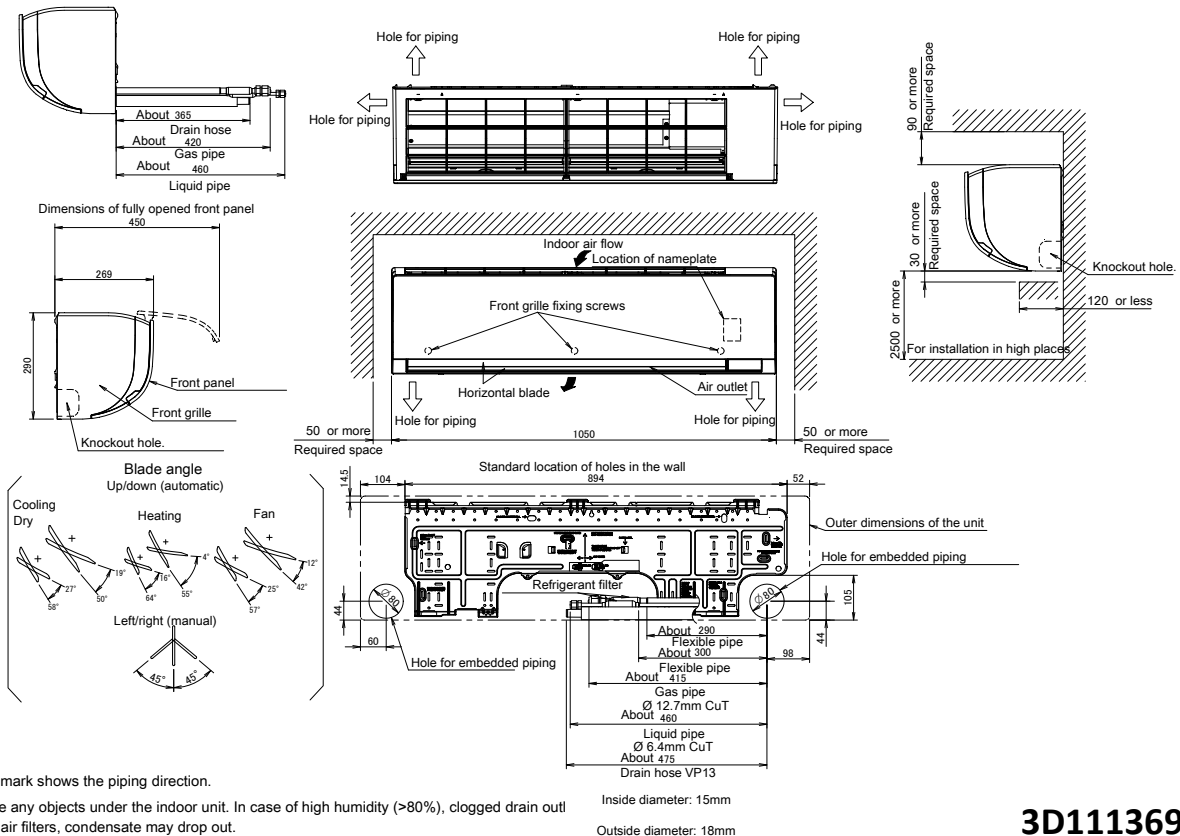
7 - 1 Dimensional Drawings

FXAA15-32A



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FXAA40-63A

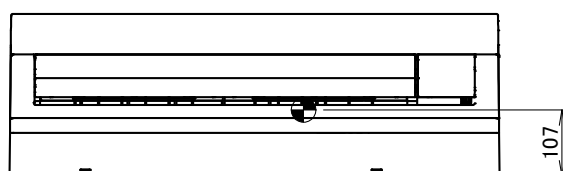
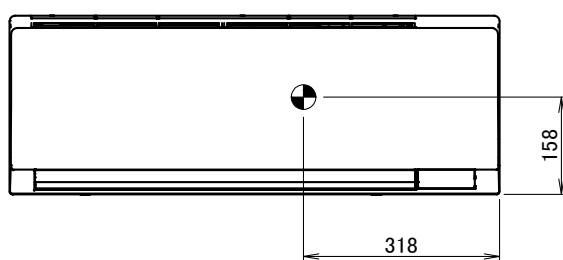


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8 Centre of gravity

8 - 1 Centre of Gravity

FXAA15-32A



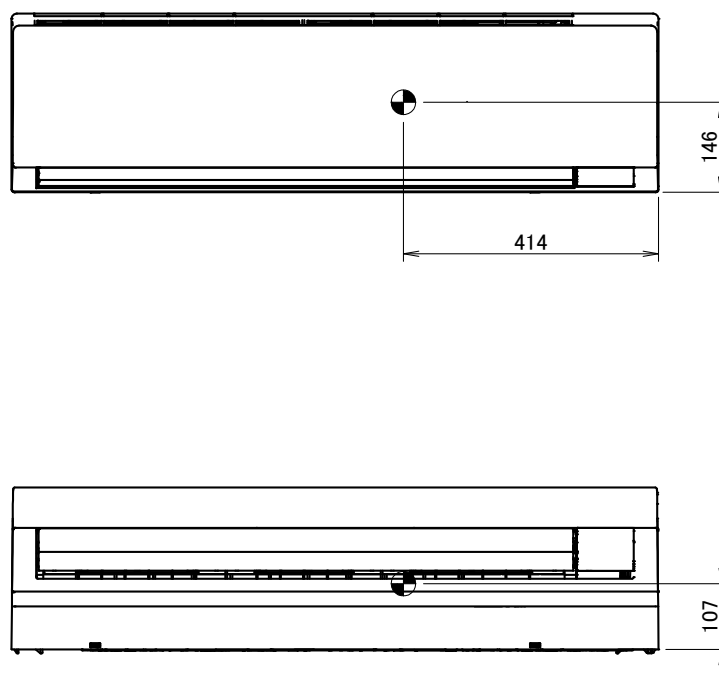
4D112526

8 Centre of gravity

8 - 1 Centre of Gravity

FXAA40-63A

8



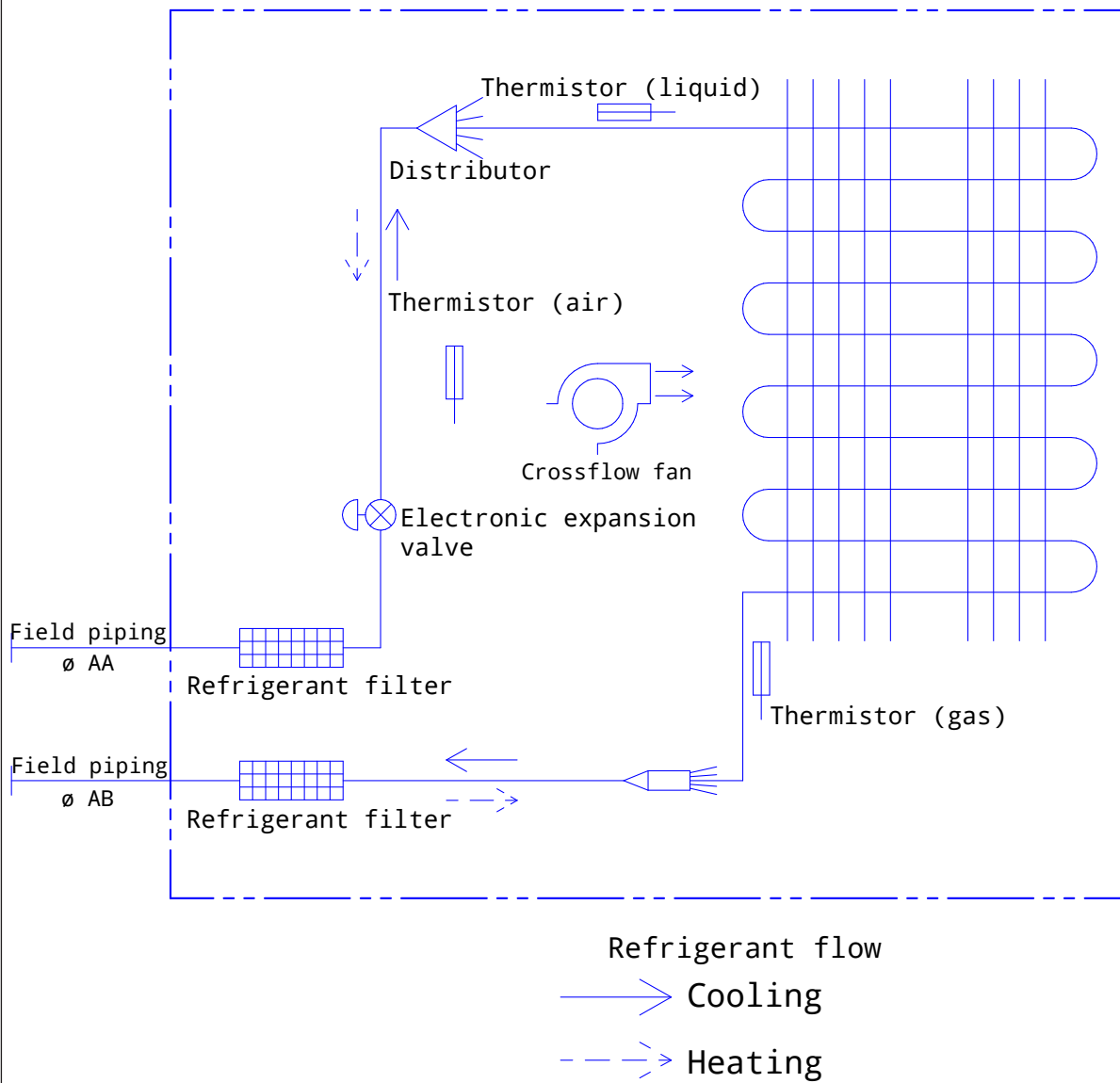
4D112525

9 Piping diagrams

9 - 1 Piping Diagrams

FXAA-A

Indoor unit

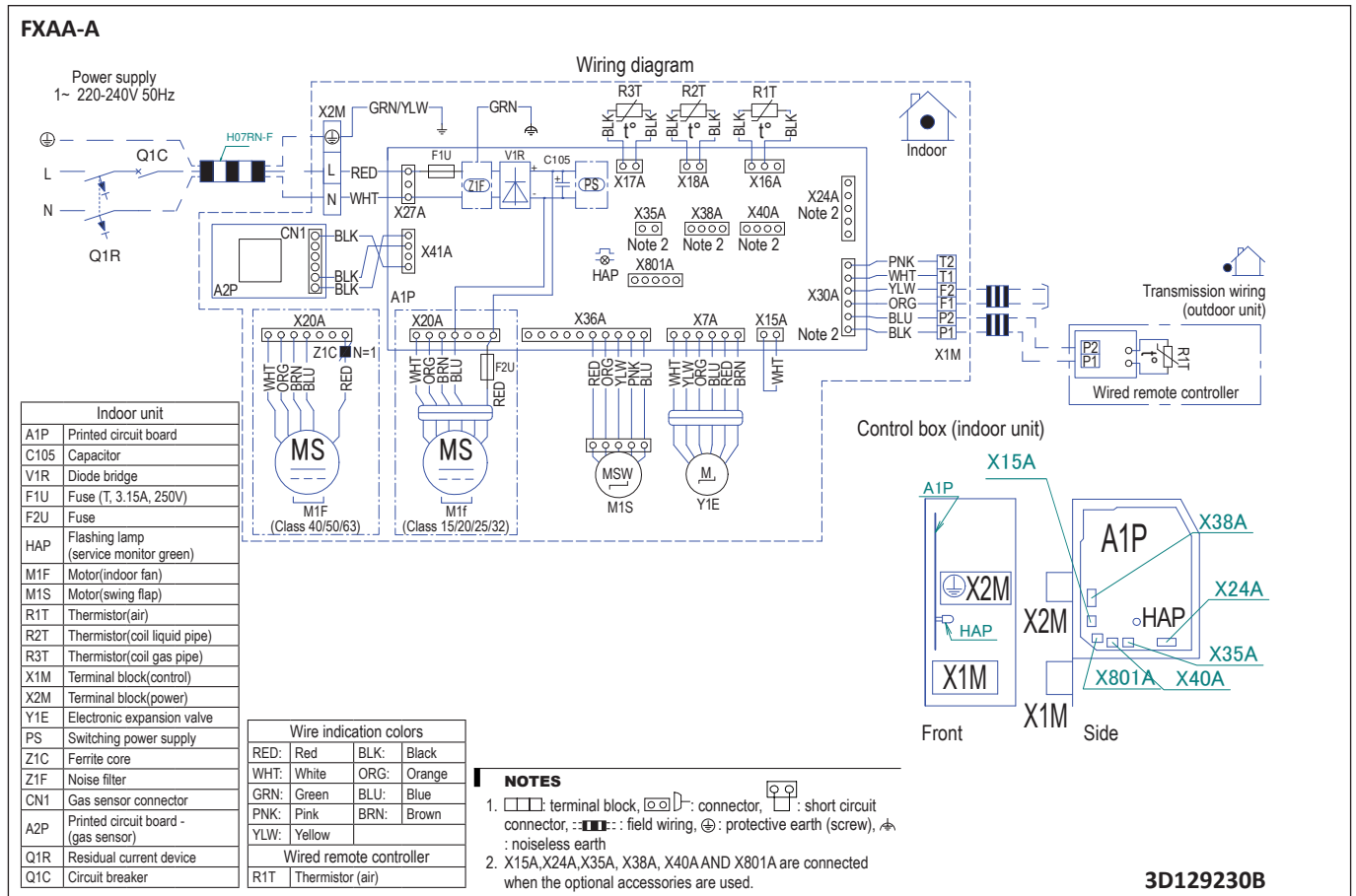


Model	ø AA	ø AB
FXAA15AUV1B FXAA20AUV1B FXAA25AUV1B FXAA32AUV1B	6.35	9.52
FXAA40AUV1B FXAA50AUV1B FXAA63AUV1B	6.35	12.7

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10 Wiring diagrams

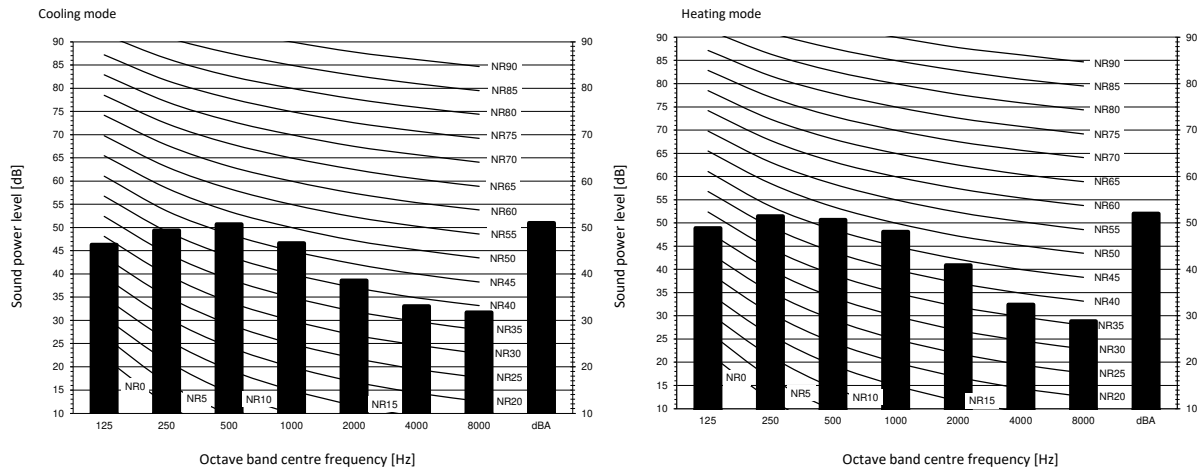
10 - 1 Wiring Diagrams - Single Phase



11 Sound data

11 - 1 Sound Power Spectrum

FXAA15A



Notes

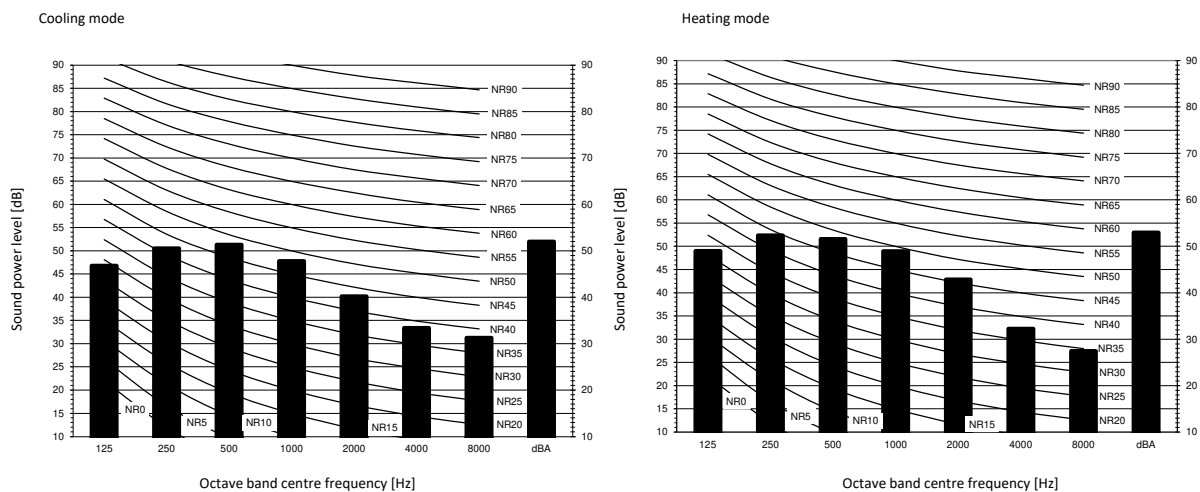
Fan speed



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

3D131735

FXAA20A



Notes

Fan speed



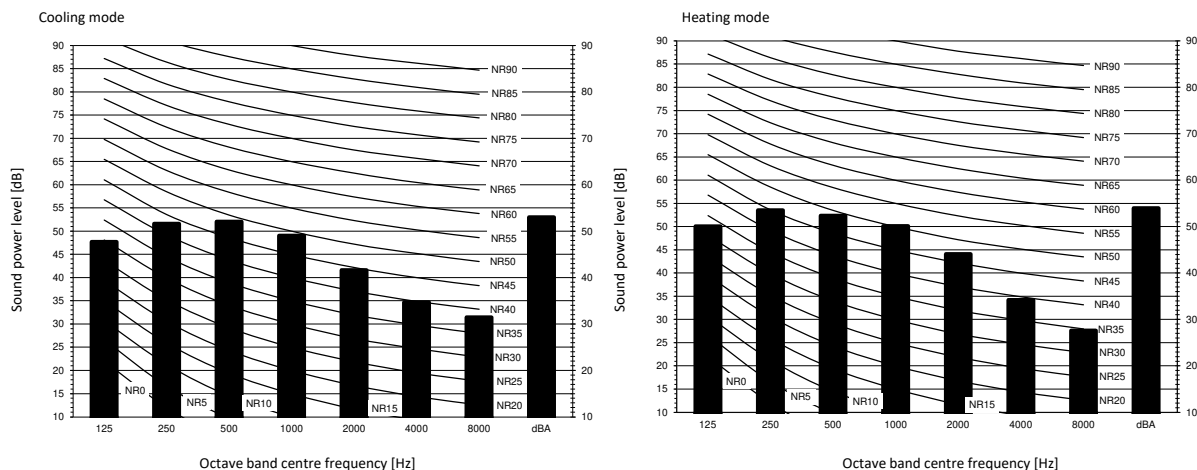
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 μ Pa
3. Measured according to ISO 3744

3D131739

11 Sound data

11 - 1 Sound Power Spectrum

FXAA25A



Notes

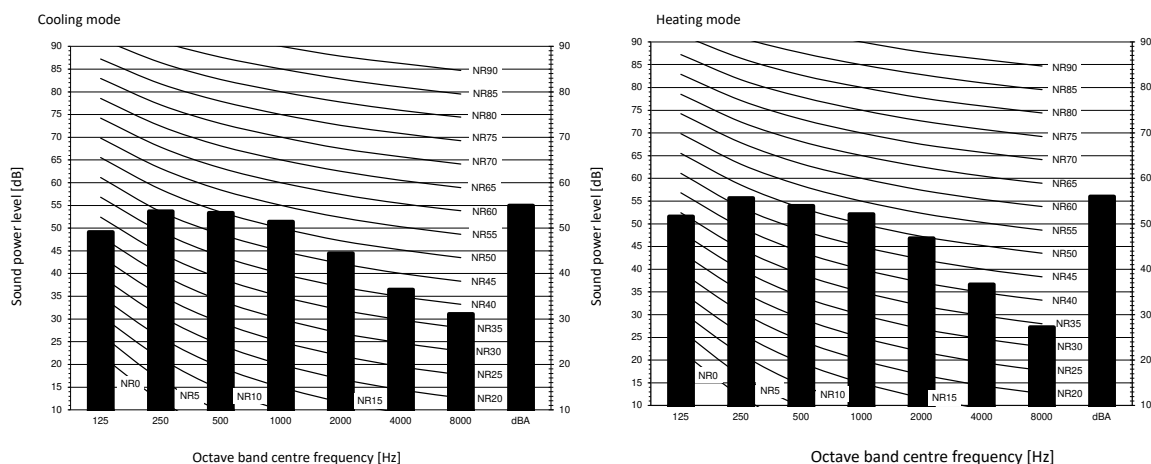
Fan speed



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

3D131741

FXAA32A



Notes

Fan speed



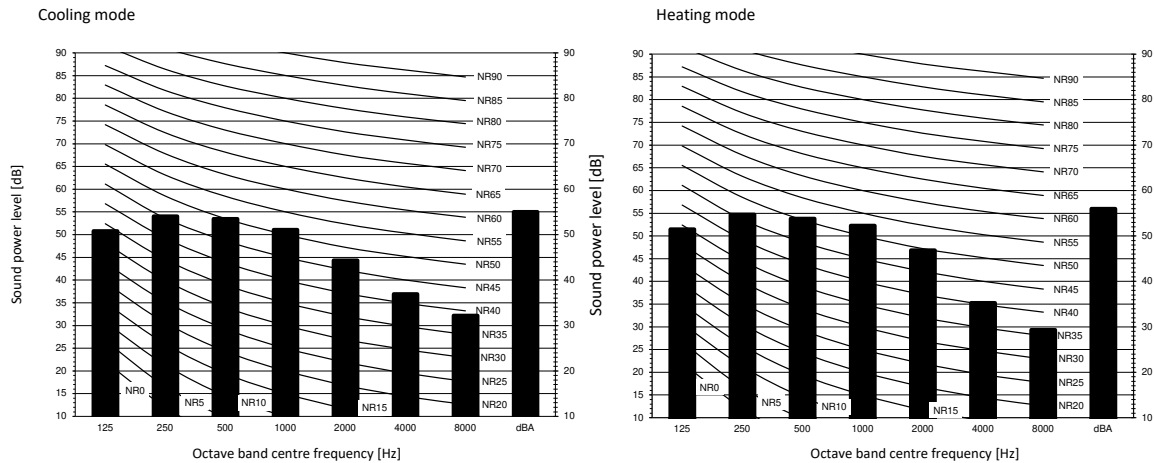
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 μ Pa
3. Measured according to ISO 3744

3D131742

11 Sound data

11 - 1 Sound Power Spectrum

FXAA40A



Notes

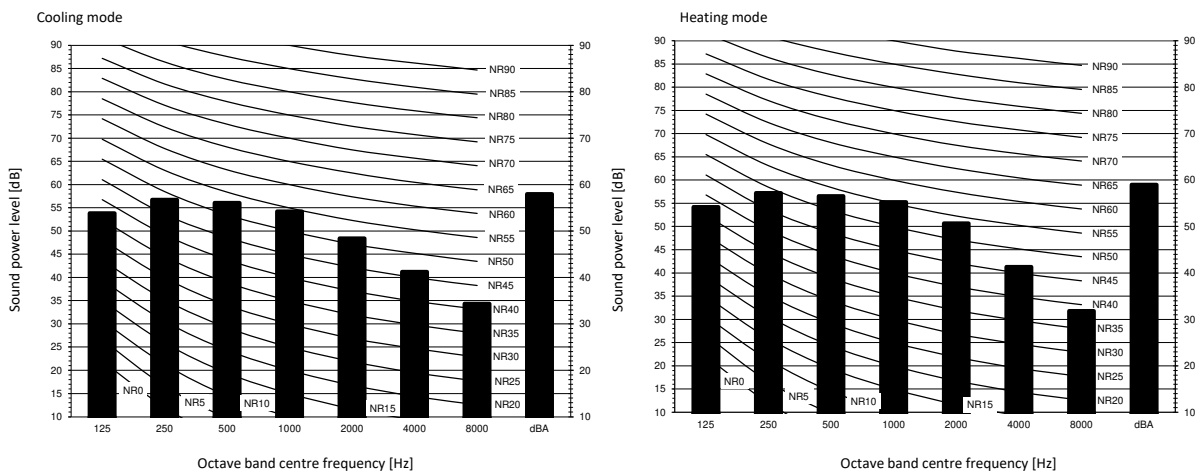
Fan speed



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

3D131743

FXAA50A



Notes

Fan speed



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

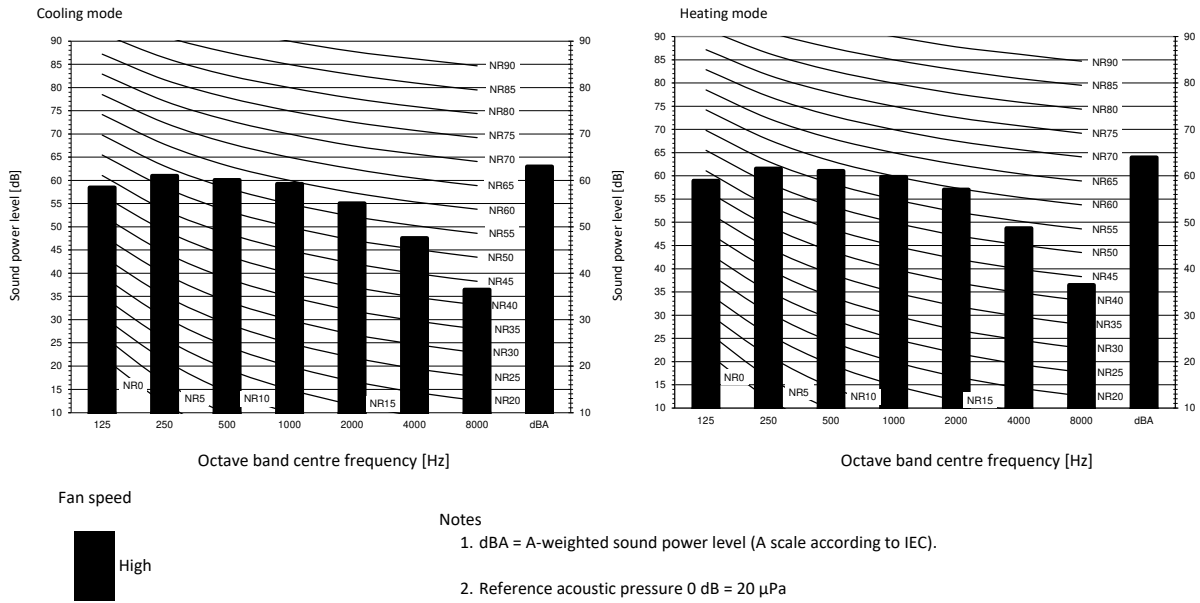
3D131744

11 Sound data

11 - 1 Sound Power Spectrum

FXAA63A

11



Notes

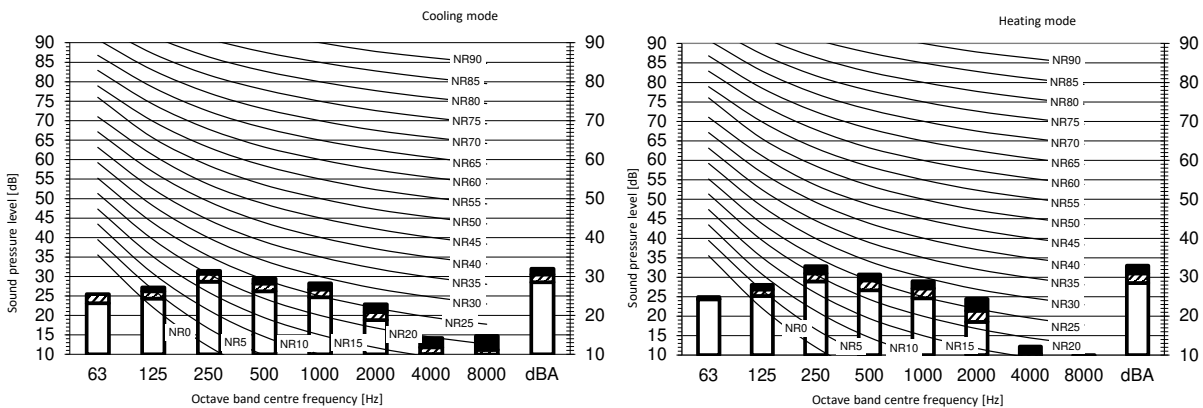
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 μ Pa
3. Measured according to ISO 3744

3D131745

11 Sound data

11 - 2 Sound Pressure Spectrum

FXAA15A

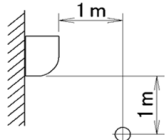


Legend

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

Location of microphone



Cooling Total dB			
A	B	C	D
dBA	32,0	30,5	28,5

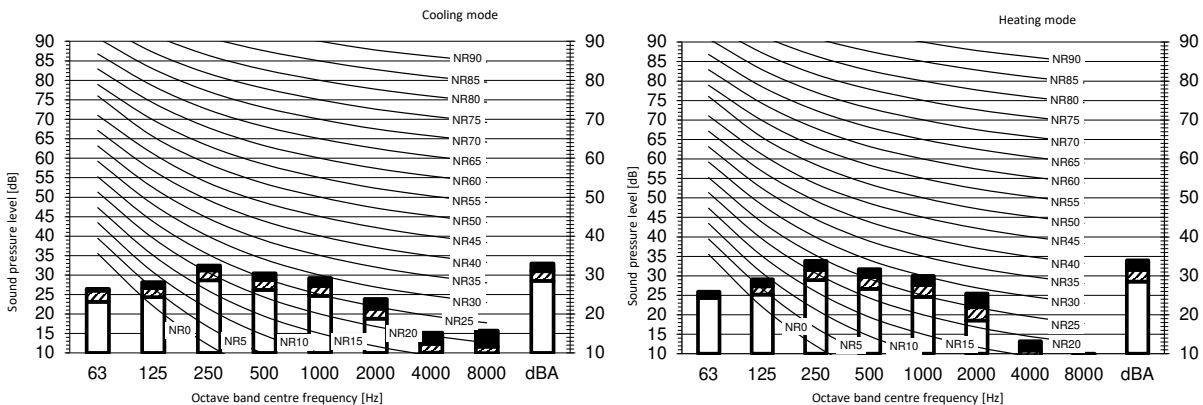
Heating Total dB			
A	B	C	D
dBA	33,0	31,0	28,5

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

3D131189

FXAA20A

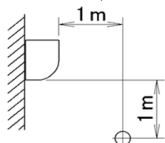


Legend

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

Location of microphone



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

Notes

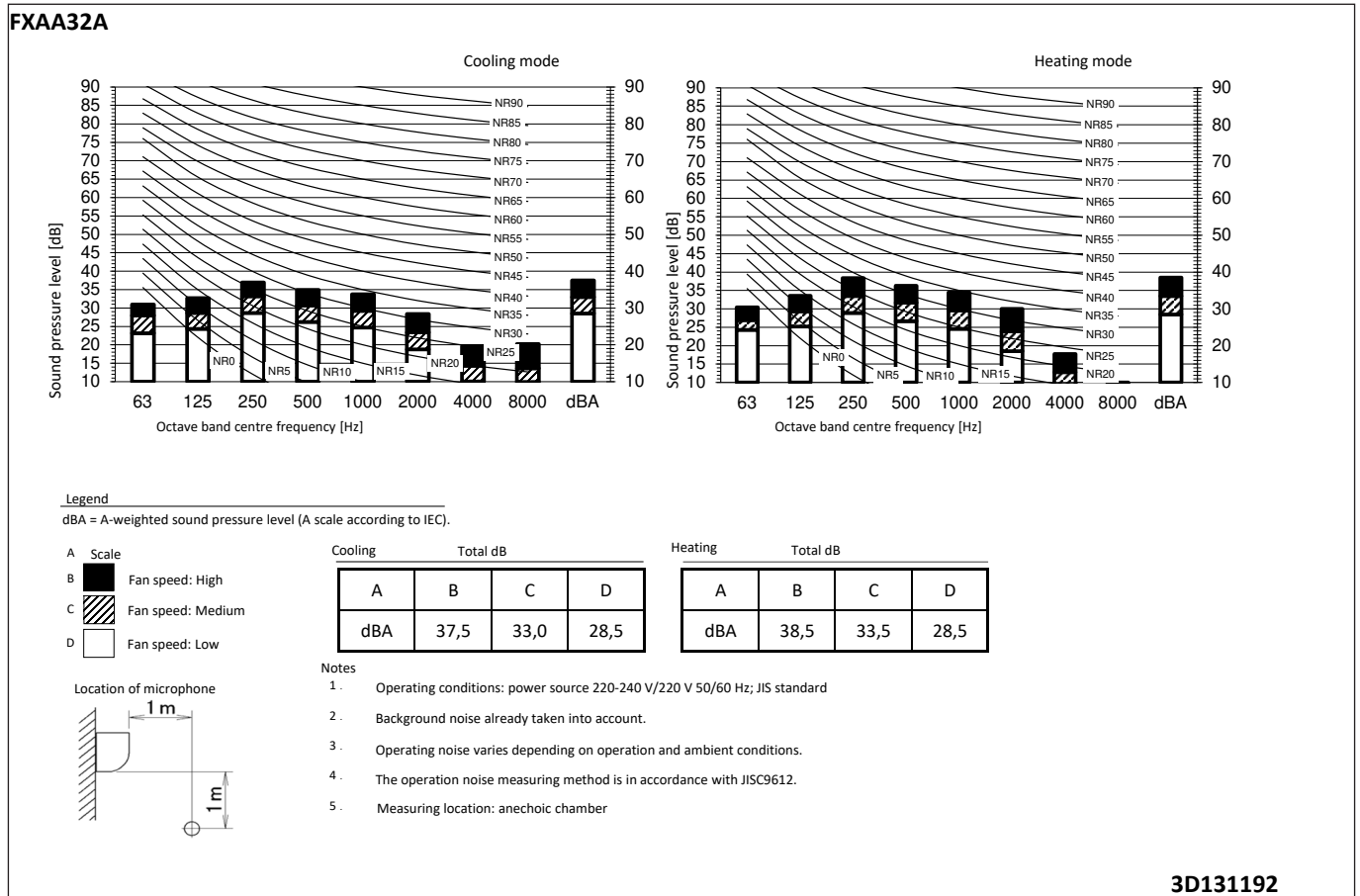
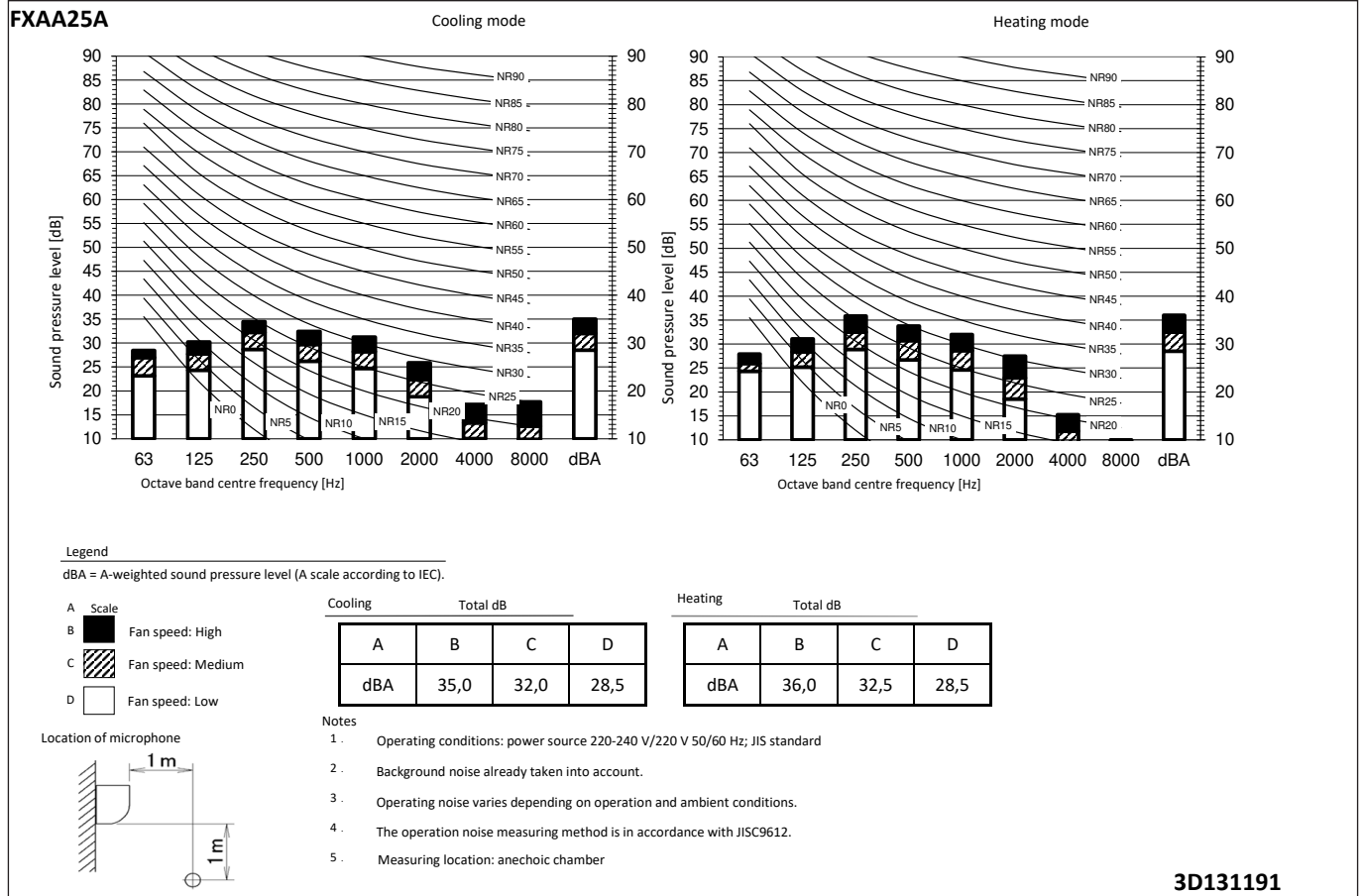
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D131190

11 Sound data

11 - 2 Sound Pressure Spectrum

11

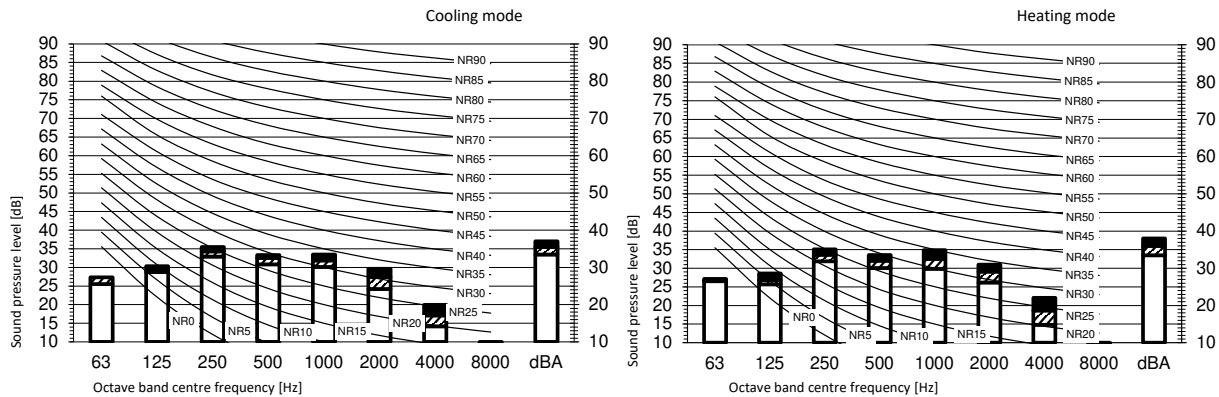


22

11 Sound data

11 - 2 Sound Pressure Spectrum

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

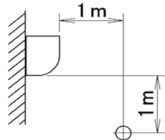
Cooling Total dB				
A	B	C	D	
dBA	37,0	35,5	33,5	

Heating Total dB				
A	B	C	D	
dBA	38,0	36,0	33,5	

Notes

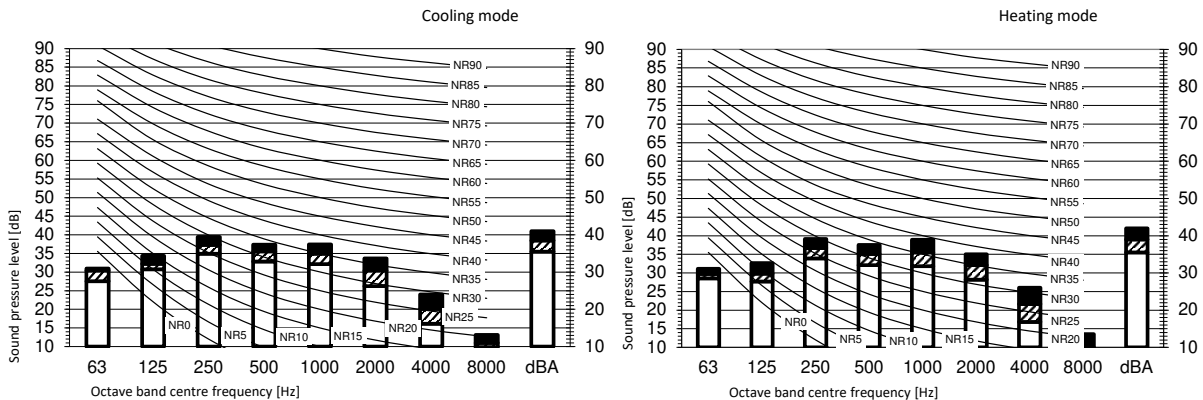
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

Location of microphone



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

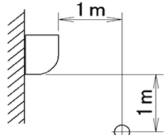
Cooling Total dB				
A	B	C	D	
dBA	41,0	38,5	35,5	

Heating Total dB				
A	B	C	D	
dBA	42,0	39,0	35,5	

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

Location of microphone

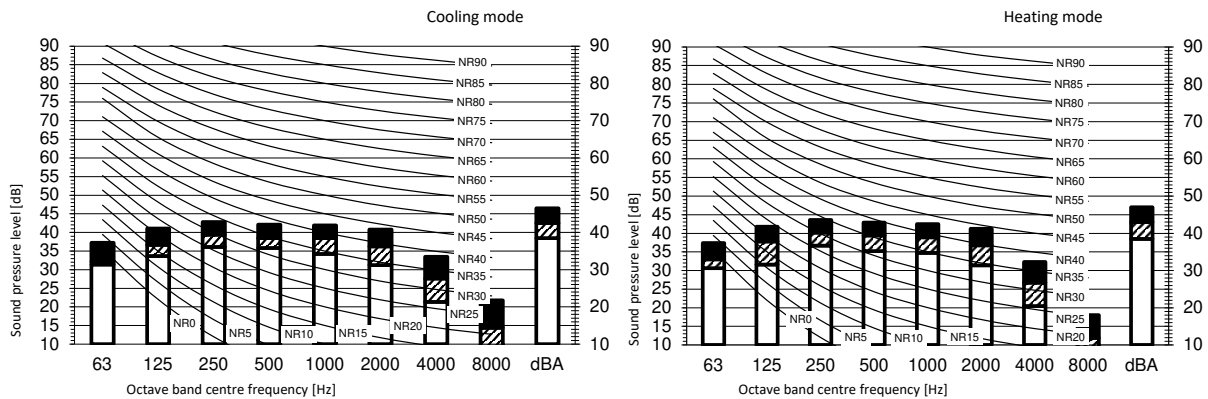


3D131194

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

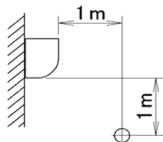
Cooling				
Total dB				
A	B	C	D	
dBA	46,5	42,5	38,5	

Heating				
Total dB				
A	B	C	D	
dBA	47,0	43,0	38,5	

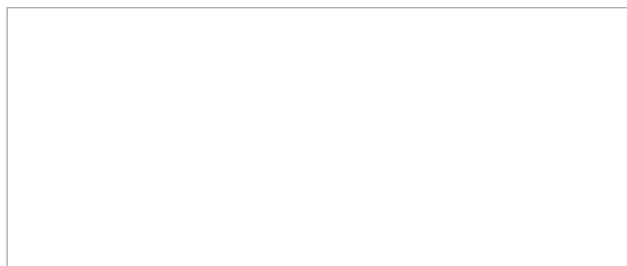
Notes

- 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

Location of microphone



3D131195



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11/2020



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