

Air Conditioning
Technical Data
CTXA-AS/AT/AW,
FTXA-AS/AT/AW



- | | | |
|----------------|----------------|----------------|
| > CTXA15A2V1BS | > FTXA25A2V1BS | > FTXA42A2V1BS |
| > CTXA15A2V1BT | > FTXA25A2V1BT | > FTXA42A2V1BT |
| > CTXA15A2V1BW | > FTXA25A2V1BW | > FTXA42A2V1BW |
| > FTXA20A2V1BS | > FTXA35A2V1BS | > FTXA50A2V1BS |
| > FTXA20A2V1BT | > FTXA35A2V1BT | > FTXA50A2V1BT |
| > FTXA20A2V1BW | > FTXA35A2V1BW | > FTXA50A2V1BW |

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CTXA-AS/AT/AW, FTXA-AS/AT/AW

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1 Features

1 - 0 CTXA-AS

- A compact and functional design suitable for all interiors in a silver coloured elegant finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The grid eye sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Powerful air purification increases indoor air quality with Daikin Flash Streamer technology
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Online controller: control your indoor from any location with an app, via your local network or internet
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating



Practically inaudible	Coanda effect - cooling	Coanda effect - heating	Grid eye sensor	Econo mode	Energy saving during standby mode	Night set mode	Fan only	Comfort mode
Powerful mode	Auto cooling-heating changeover	Indoor unit silent operation	Outdoor unit silent operation	3-D air flow	Vertical auto swing	Horizontal auto swing	Auto fan speed	Fan speed steps
Dry programme	Flash Streamer	Titanium apatite deodorising filter	Air filter	Weekly timer	Infrared remote control	Wired remote control	Centralised control	Online controller
Auto-restart	Self diagnosis	Multi model application						

1 Features

1 - 1 CTXA-AT

- A compact and functional design suitable for all interiors in blackwood finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The grid eye sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
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1



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Dry programme	Flash Streamer	Titanium apatite deodorising filter	Air filter	Weekly timer	Infrared remote control	Wired remote control	Centralised control	Online controller
Auto-restart	Self diagnosis	Multi model application						

1 Features

1 - 2 CTXA-AW

- A compact and functional design suitable for all interiors in a matt crystal white finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The grid eye sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Powerful air purification increases indoor air quality with Daikin Flash Streamer technology
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Dry programme	Flash Streamer	Titanium apatite deodorising filter	Air filter	Weekly timer	Infrared remote control	Wired remote control	Centralised control	Online controller
Auto-restart	Self diagnosis	Multi model application						

1 Features

1 - 3 FTXA-AS

1

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- | | | | | | | | | |
|-----------------------|---------------------------------|-------------------------------------|-------------------------------|--------------|-----------------------------------|-----------------------|---------------------|-------------------|
| | | | | | | | | |
| Practically inaudible | Coanda effect - cooling | Coanda effect - heating | Grid eye sensor | Econo mode | Energy saving during standby mode | Night set mode | Fan only | Comfort mode |
| | | | | | | | | |
| Powerful mode | Auto cooling-heating changeover | Indoor unit silent operation | Outdoor unit silent operation | 3-D air flow | Vertical auto swing | Horizontal auto swing | Auto fan speed | Fan speed steps |
| | | | | | | | | |
| Dry programme | Flash Streamer | Titanium apatite deodorising filter | Air filter | Weekly timer | Infrared remote control | Wired remote control | Centralised control | Online controller |
| | | | | | | | | |
| Auto-restart | Self diagnosis | Multi model application | | | | | | |

1 Features

1 - 4 FTXA-AT

- A compact and functional design suitable for all interiors in blackwood finish
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Auto-restart	Self diagnosis	Multi model application						

1 Features

1 - 5 FTXA-AW

1

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Auto-restart	Self diagnosis	Multi model application						

2 Specifications

2-1 Technical Specifications				CTXA15AS/AT/AW	FTXA20AS/AT/AW	FTXA25AS/AT/AW	FTXA35AS/AT/AW	FTXA42AS/AT/AW	FTXA50AS/AT/AW	
Power input	Cooling	Nom.	kW	0.020		0.022	0.023	0.028	0.030	
	Heating	Nom.	kW	0.020		0.022	0.023	0.036	0.039	
Casing	Colour			S = Silver T = Blackwood W = White						
Dimensions	Unit	Height/Width/Depth	mm	295/798/189						
	Packed unit	Height/Width/Depth	mm	305/875/406						
Weight	Unit		kg	12						
	Packed unit		kg	14						
Packing	Weight		kg	3						
Heat exchanger	Length		mm	622						
	Rows	Quantity		2						
	Fin pitch		mm	1.40						
	Face area		m ²	0.214						
	Stages	Quantity		18						
	Passes	Quantity		3						
	Tube type		ø5 Hi-XB							
	Tube material		Copper							
	Tube diameter		mm	5						
	Fin	Type		ML fin (Multi louver)						
	Heat exchanger 2	Length		mm	614					
Rows		Quantity		1						
Fin pitch		mm	1.40							
Face area		m ²	0.047							
Stages		Quantity		4						
Air filter	Type			Removable / washable						
	Quantity		pc	2						
Fan	Type			Cross flow fan						
	Quantity			1						
	Air flow rate	Cooling	High	m ³ /min	11.0	11.5	11.9	13.1	13.5	
				cfm	388	406	420	463	477	
			Medium	m ³ /min	8	9		10		
				cfm	290	304		346	367	
			Low	m ³ /min	6.1			7.2	7.6	
				cfm	215			254	268	
			Silent operation	m ³ /min	4.6			5.2		
				cfm	162			184		
		Heating	High	m ³ /min	10.9	11.1	11.5	14.6	15.1	
				cfm	385	392	406	516	533	
			Medium	m ³ /min	8.7	9.0		10.5	11.1	
				cfm	307	318		371	392	
			Low	m ³ /min	6.4			7.7	8.2	
cfm				226			272	290		
Silent operation	m ³ /min		4.5			5.2	5.7			
	cfm		159			184	201			

2 Specifications

				CTXA15AS/AT/AW	FTXA20AS/AT/AW	FTXA25AS/AT/AW	FTXA35AS/AT/AW	FTXA42AS/AT/AW	FTXA50AS/AT/AW	
2-1 Technical Specifications										
Fan motor	Quantity						1			
	Model						MM9G07N9SA			
	Speed	Cooling	High/ Medium/ Low/ Silent operation	rpm	1,100/870/690/570		1,140/900/690/570	1,180/900/690/570	1,210/980/780/570	1,240/1,020/820/620
		Heating	High/ Medium/ Low/ Silent operation	rpm	1,090/920/740/590		1,110/940/740/590	1,140/940/740/590	1,310/1,070/850/640	1,350/1,190/930/680
Sound power level	Cooling		dBA	57			60			
Sound pressure level	Cooling	High/Medium/ Low/Silent operation	dBA	39/32/25/21	39/32/25/19	40/33/25/19	41/33/25/19	45/37/29/21	46/39/31/24	
	Heating	High/Medium/ Low/Silent operation	dBA	39/32/25/21	39/32/25/19	40/33/25/19	41/33/25/19	45/37/29/21	46/42/33/24	
Control systems	Infrared remote control			ARC466A58						
	Wired remote control			BRC073						
Refrigerant	Type			R-32						
	GWP			675.0						
Piping connections	Liquid	OD		6,35						
	Gas	OD		9.50			12.70			
	Drain			18						
	Heat insulation			Both liquid and gas pipes						
Temperature control				Microcomputer control						
Air direction control				Right, Left, Horizontal, Downward						

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Air filter; Quantity : 2;

Standard Accessories : Infrared remote control; Quantity : 1;

Standard Accessories : Remote controller mounting plate; Quantity : 1;

Standard Accessories : Screw bag; Quantity : 1;

Standard Accessories : Screw cover; Quantity : 1;

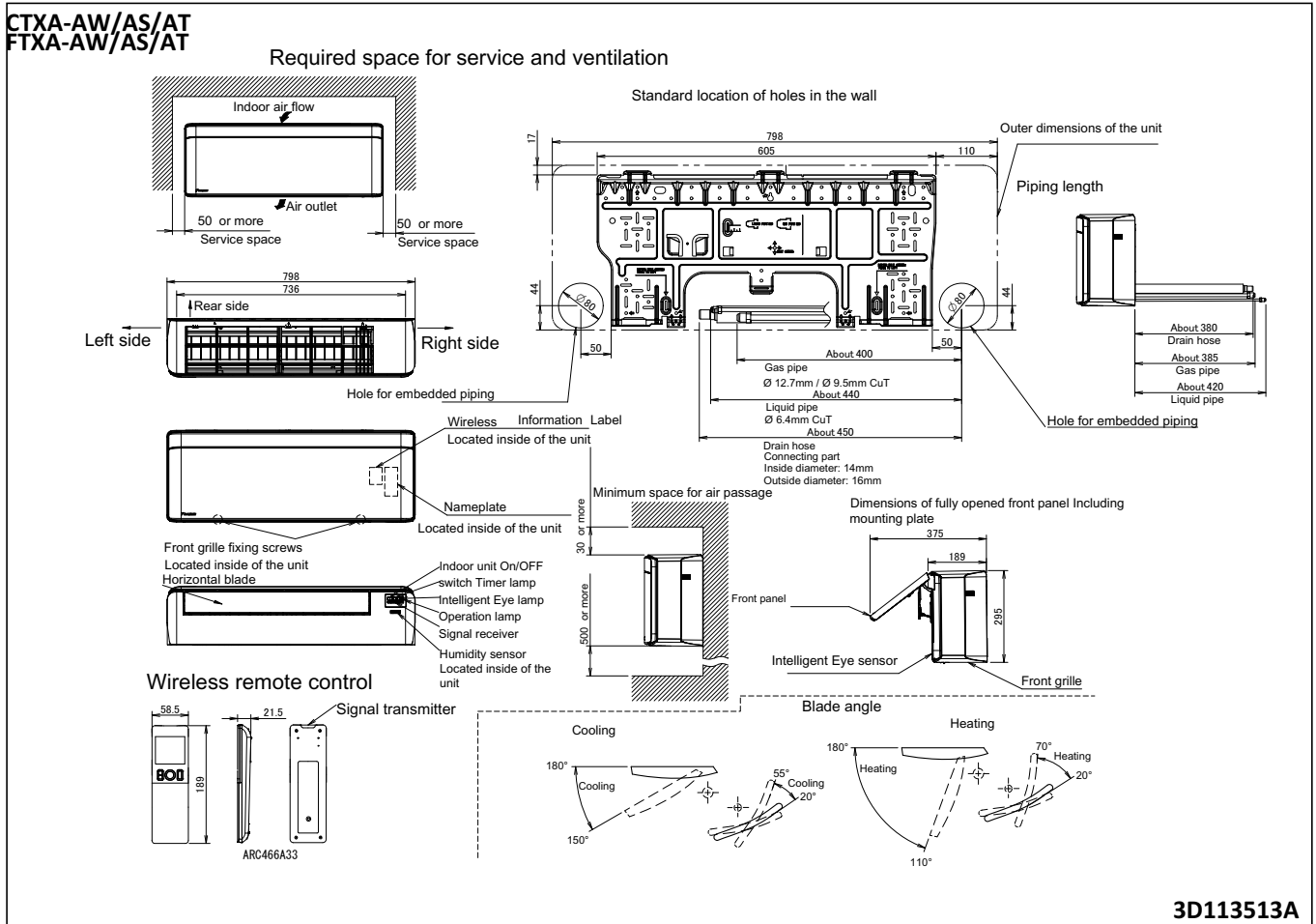
Standard Accessories : AAA dry-cell batteries; Quantity : 2;

Standard Accessories : General safety precautions; Quantity : 1;

				CTXA15AS/AT/AW	FTXA20AS/AT/AW	FTXA25AS/AT/AW	FTXA35AS/AT/AW	FTXA42AS/AT/AW	FTXA50AS/AT/AW
2-2 Electrical Specifications									
Power supply	Name			V1					
	Phase			1~					
	Frequency		Hz	50					
	Voltage		V	220-240					
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.3		0.4		0.5	
		Heating	A	0.3		0.4		0.6	
Wiring connections - 50Hz	For power supply	Quantity		3					
		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)					

3 Dimensional drawings

3 - 1 Dimensional Drawings

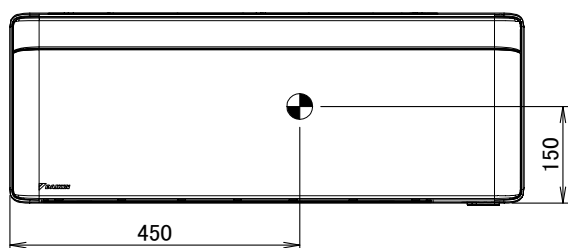
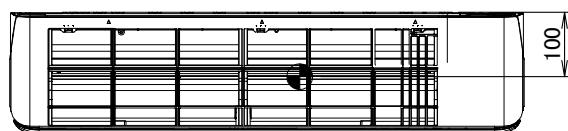


4 Centre of gravity

4 - 1 Centre of Gravity

CTXA-AW/AS/AT

FTXA-AW/AS/AT



4D114705

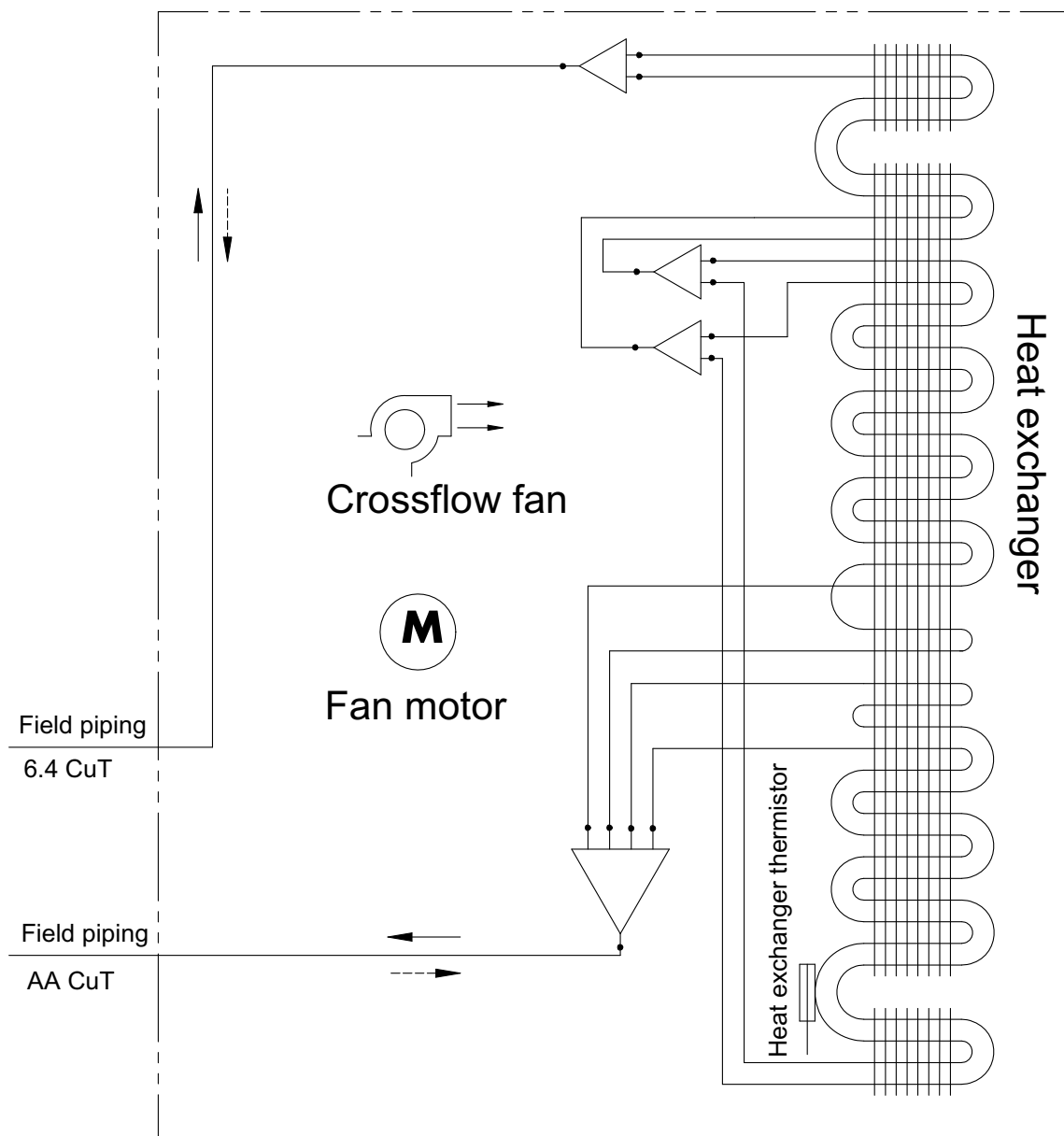
5 Piping diagrams

5 - 1 Piping Diagrams

5

CTXA-AW/AS/AT
FTXA-AW/AS/AT

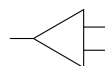
Indoor unit



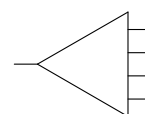
Refrigerant flow



Distributor



Gas header



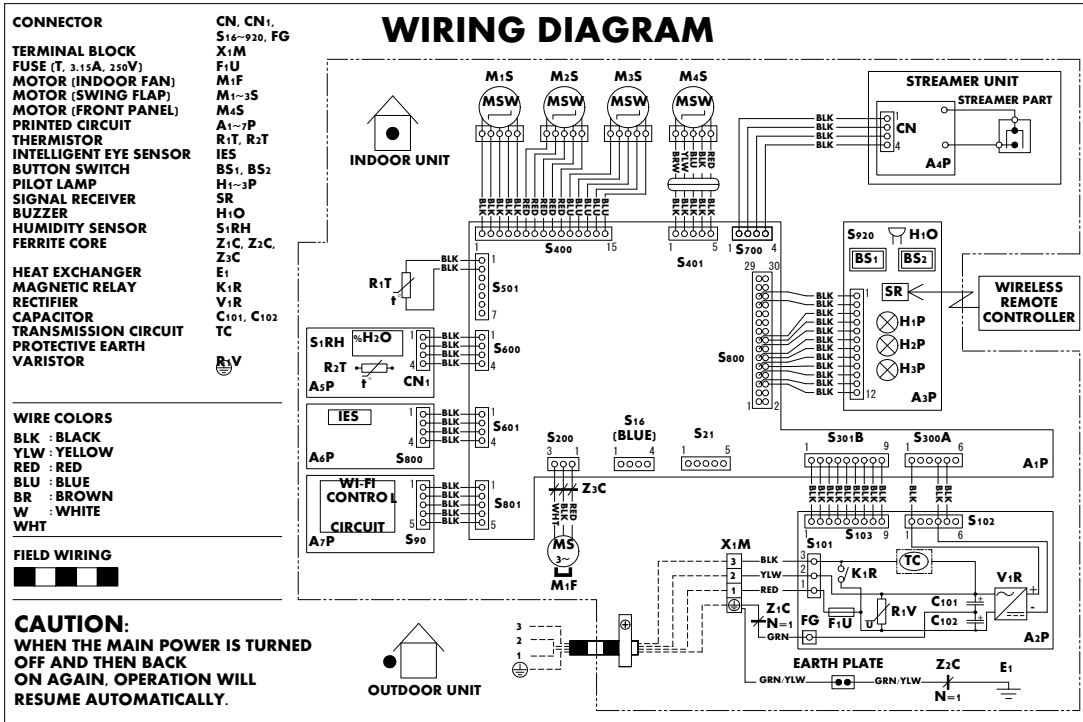
AA	Class
9.5	15~35
12.7	42~50

4D113514

6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

CTXA-AW/AS/AT
FTXA-AW/AS/AT



NOTES:

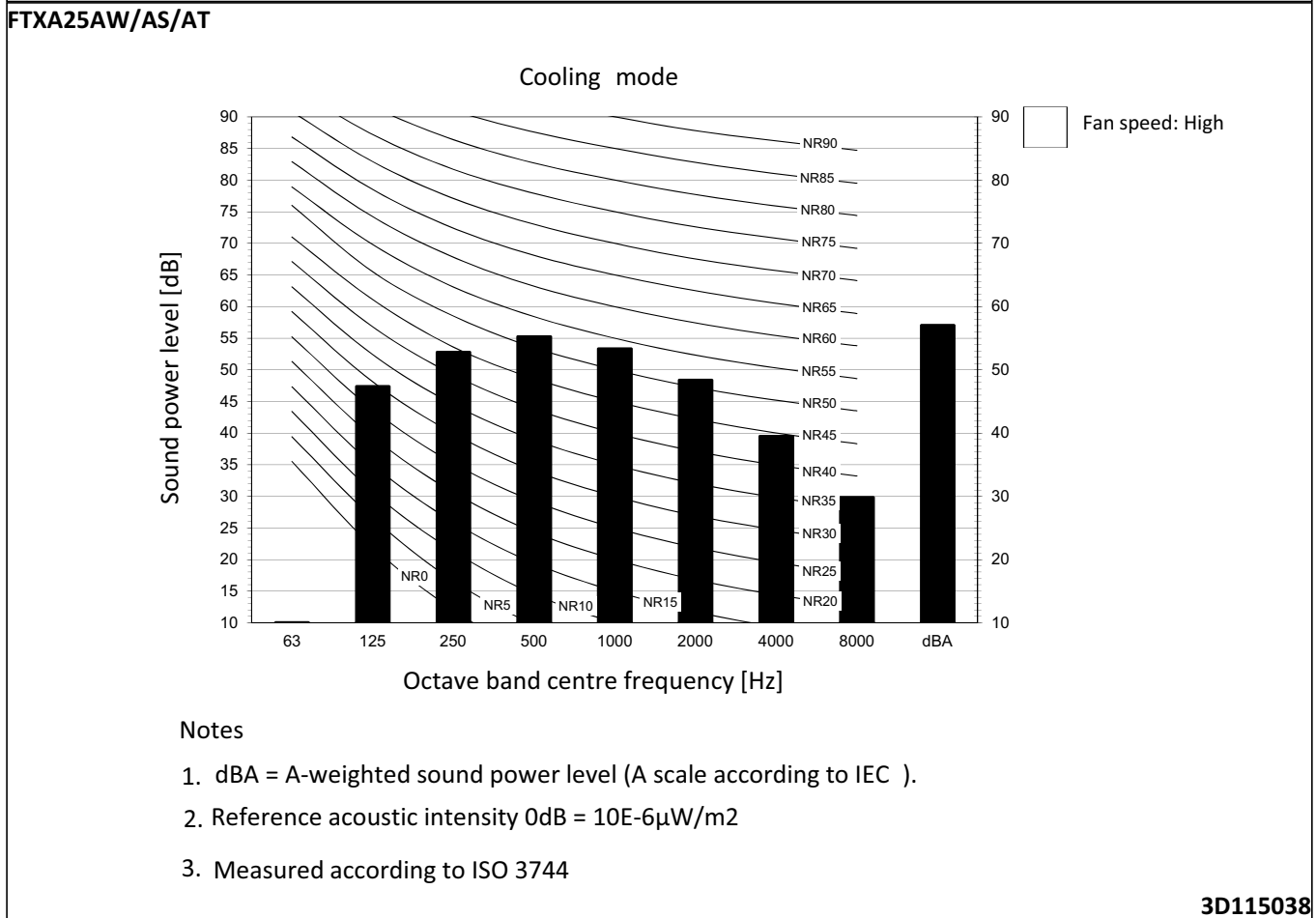
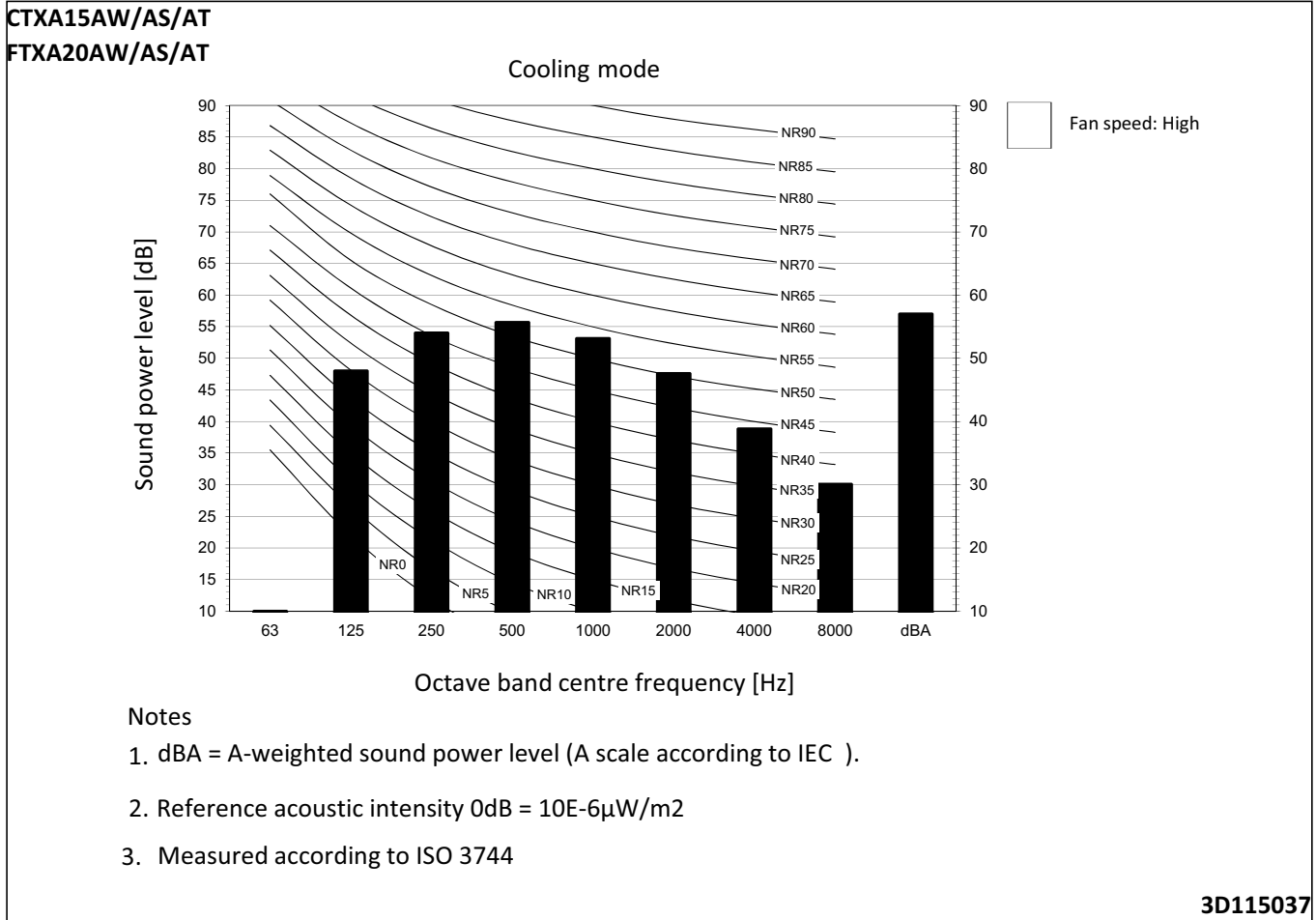
1. SIZE: HEIGHT 86 × WIDTH 130.
2. REFER TO PURCHASING SPECIFICATION AS303002 UNLESS OTHERWISE SPECIFIED.

3D113338C

7 Sound data

7 - 1 Sound Power Spectrum

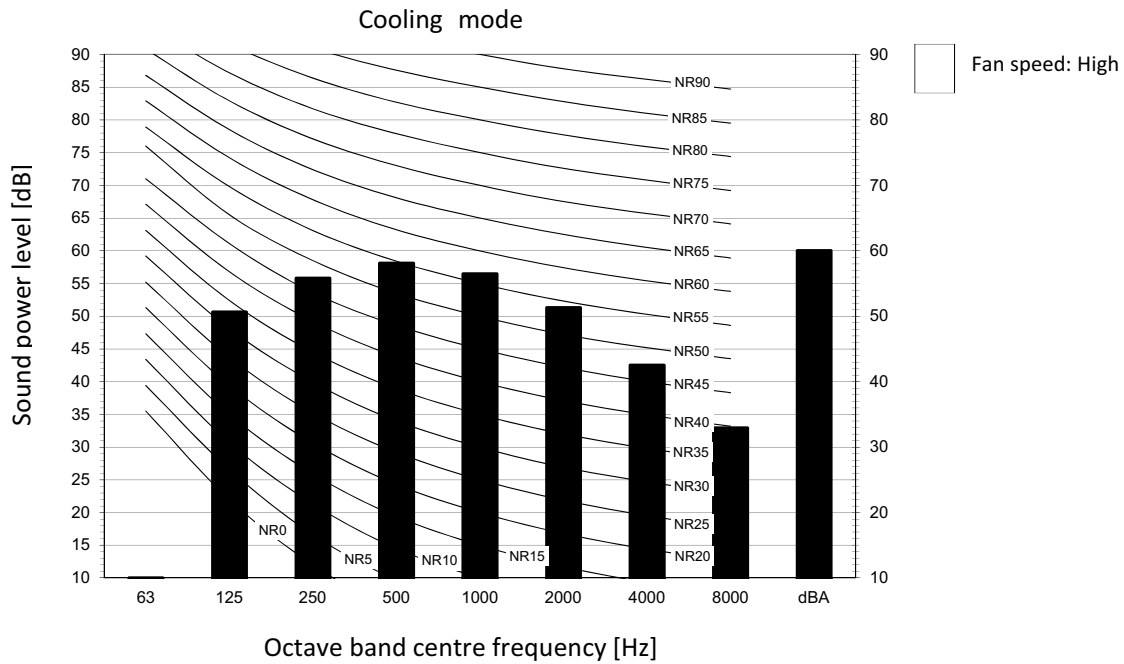
7



7 Sound data

7 - 1 Sound Power Spectrum

FTXA35AW/AS/AT

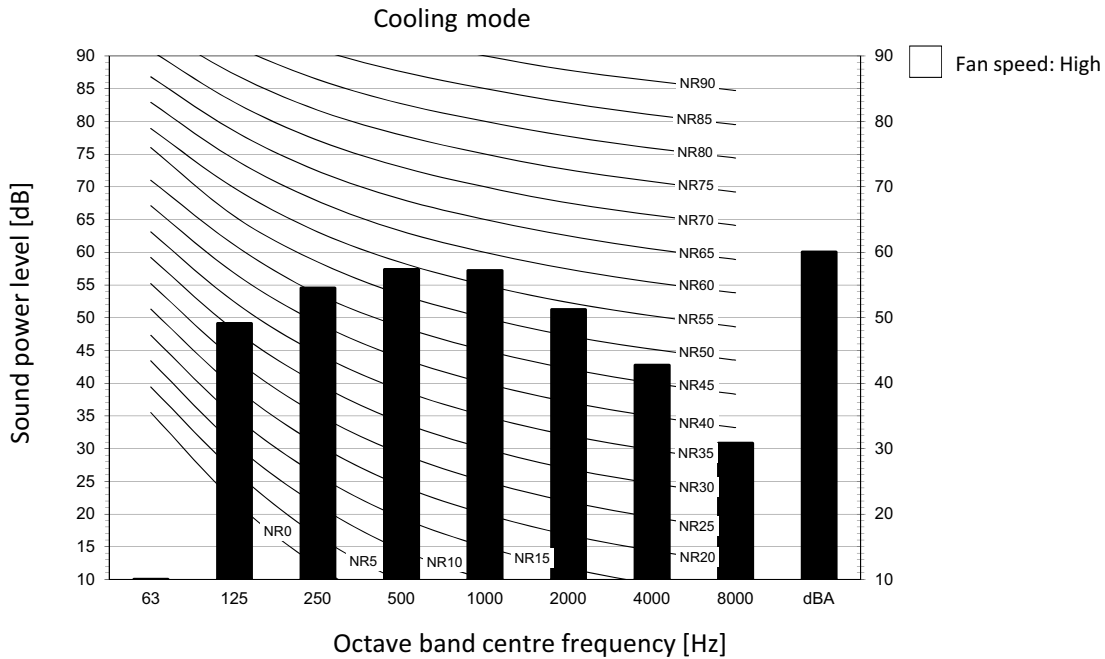


Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity 0dB = 10E-6μW/m2
3. Measured according to ISO 3744

3D115039

FTXA42AW/AS/AT



Notes

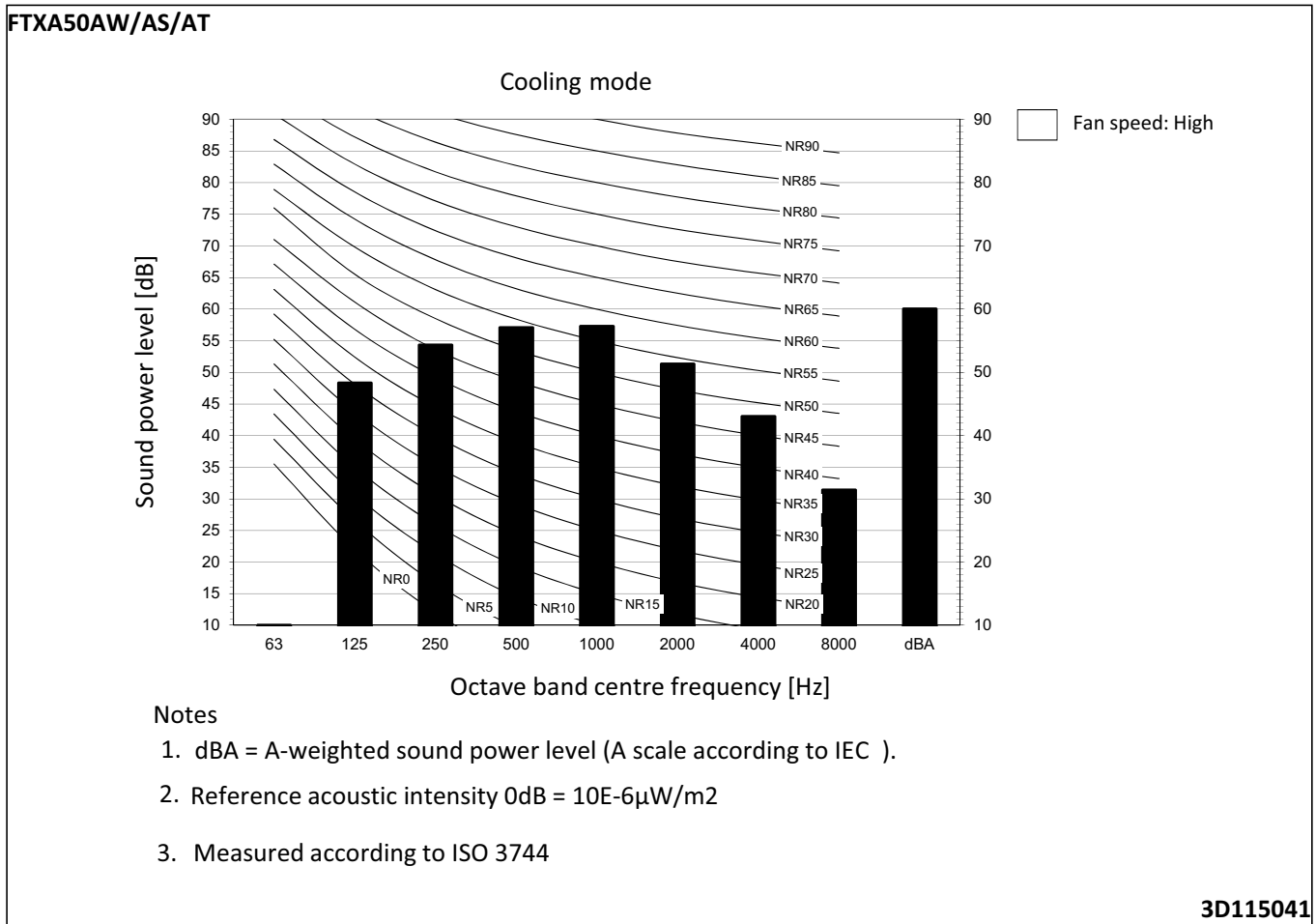
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity 0dB = 10E-6μW/m2
3. Measured according to ISO 3744

3D115040

7 Sound data

7 - 1 Sound Power Spectrum

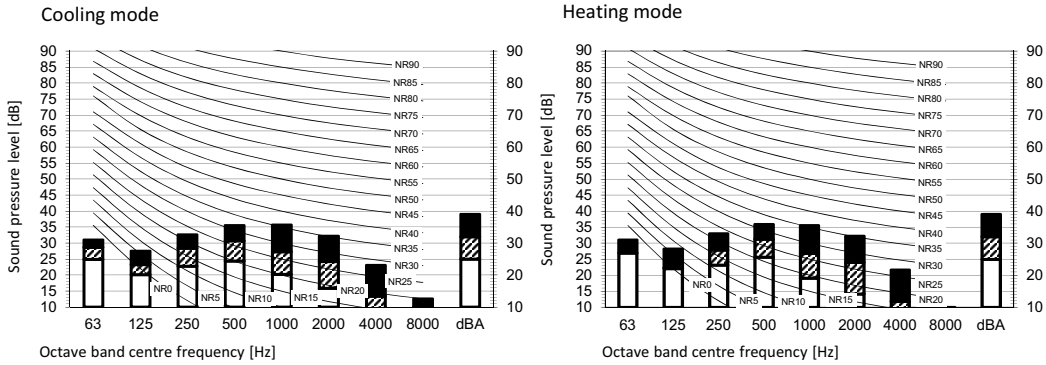
7



7 Sound data

7 - 2 Sound Pressure Spectrum

CTXA15AW/AS/AT



Legend

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

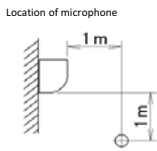
- A Scale
- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Cooling	Total dB			
A	B	C	D	
dBA	39	32	25	

Heating	Total dB			
A	B	C	D	
dBA	39	32	25	

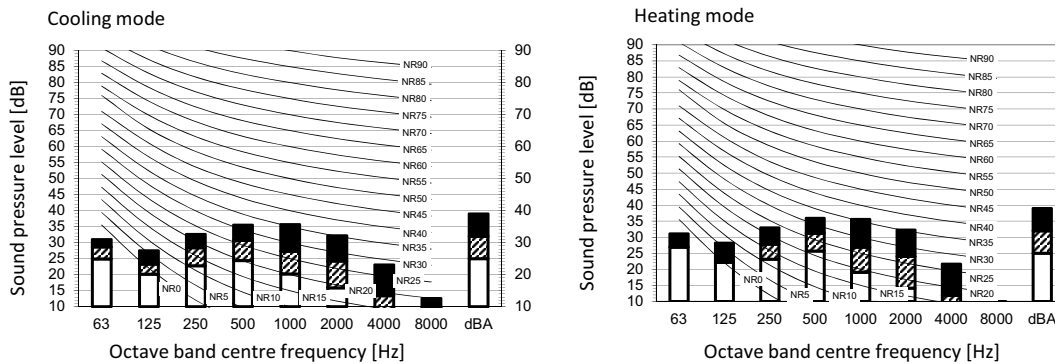
Notes

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



3D114924

FTXA20AW/AS/AT



Legend

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

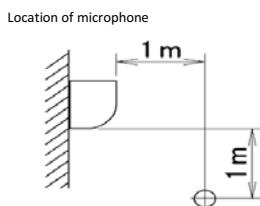
- A Scale
- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Cooling	Total dB			
A	B	C	D	
dBA	39	32	25	

Heating	Total dB			
A	B	C	D	
dBA	39	32	25	

Notes

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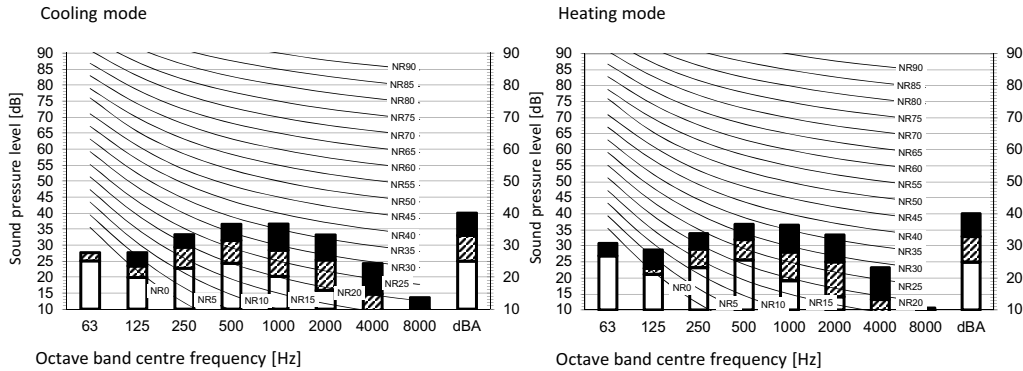
3D114919

7 Sound data

7 - 2 Sound Pressure Spectrum

7

FTXA25AW/AS/AT



Legend

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

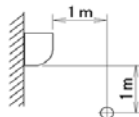
- A Scale
- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Cooling	Total dB			
A	B	C	D	
dBA	40	33	25	

Heating	Total dB			
A	B	C	D	
dBA	40	33	25	

Notes

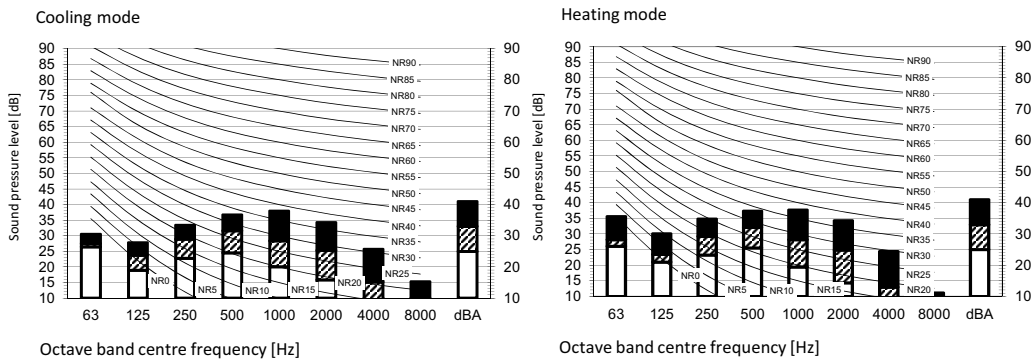
Location of microphone



- 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 JISC 9612.
- Measuring location: anechoic chamber

3D114920

FTXA35AW/AS/AT



Legend

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

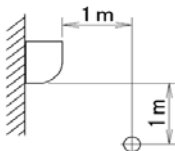
- A Scale
- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Cooling	Total dB			
A	B	C	D	
dBA	41	33	25	

Heating	Total dB			
A	B	C	D	
dBA	41	33	25	

Notes

Location of microphone



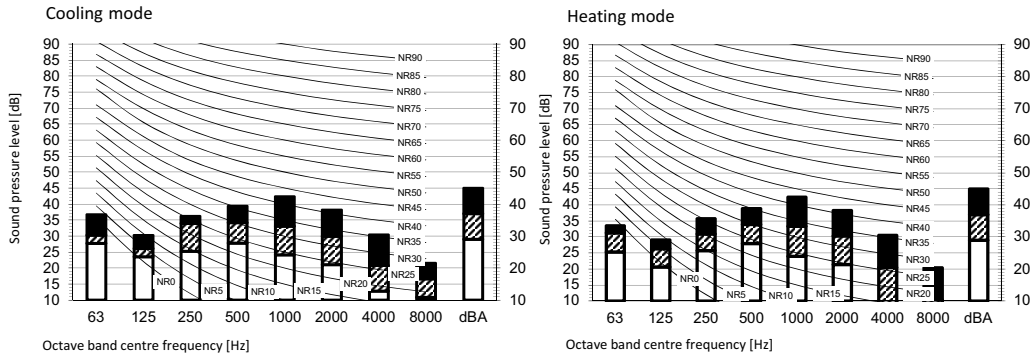
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
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- The operation noise measuring method is in accordance with JISC 9612.
- Measuring location: anechoic chamber

3D114921

7 Sound data

7 - 2 Sound Pressure Spectrum

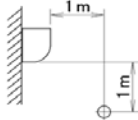
FTXA42AW/AS/AT



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

A Scale	Cooling				Heating			
	Total dB				Total dB			
B Fan speed: High	A	B	C	D	A	B	C	D
C Fan speed: Medium	dBA	45	37	29	dBA	45	37	29
D Fan speed: Low								

Location of microphone

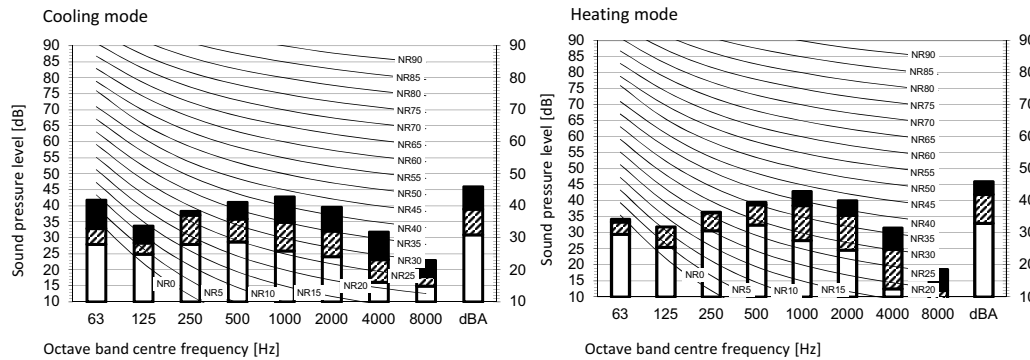


Notes

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- Background noise already taken into account.
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- The operation noise measuring method is in accordance with JISC 9612.
- Measuring location: anechoic chamber

3D114922

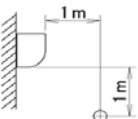
FTXA50AW/AS/AT



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

A Scale	Cooling				Heating			
	Total dB				Total dB			
B Fan speed: High	A	B	C	D	A	B	C	D
C Fan speed: Medium	dBA	46	39	31	dBA	46	42	33
D Fan speed: Low								

Location of microphone



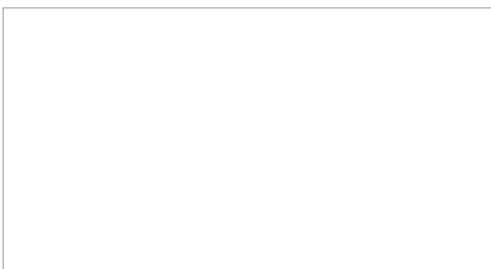
Notes

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

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Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Liquid Chilling Packages and Hydronic Heat Pumps, Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate: www.eurovent-certification.com



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