Split

Air Conditioning Technical Data

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

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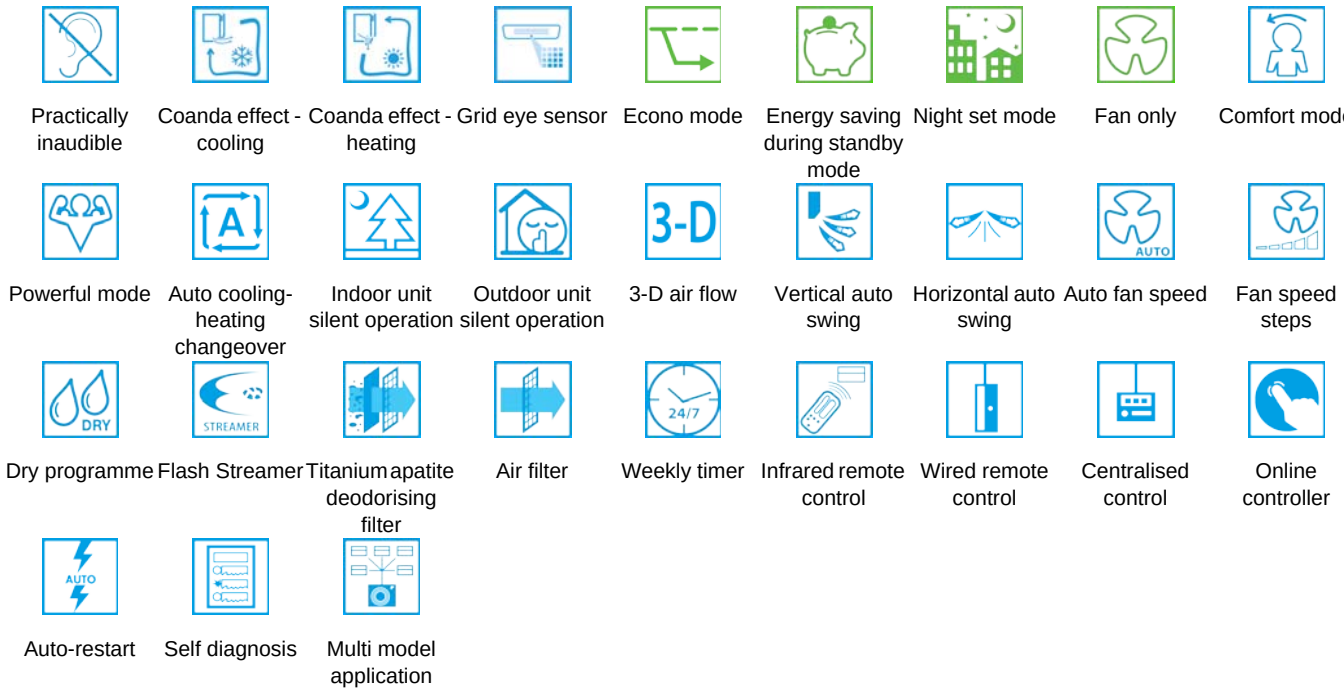

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Dry programme | Flash Streamer | Titanium apatite deodorising filter | Air filter | Weekly timer | Infrared remote control | Wired remote control | Centralised control | Online controller

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
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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

- A compact and functional design suitable for all interiors in a silver coloured elegant finish
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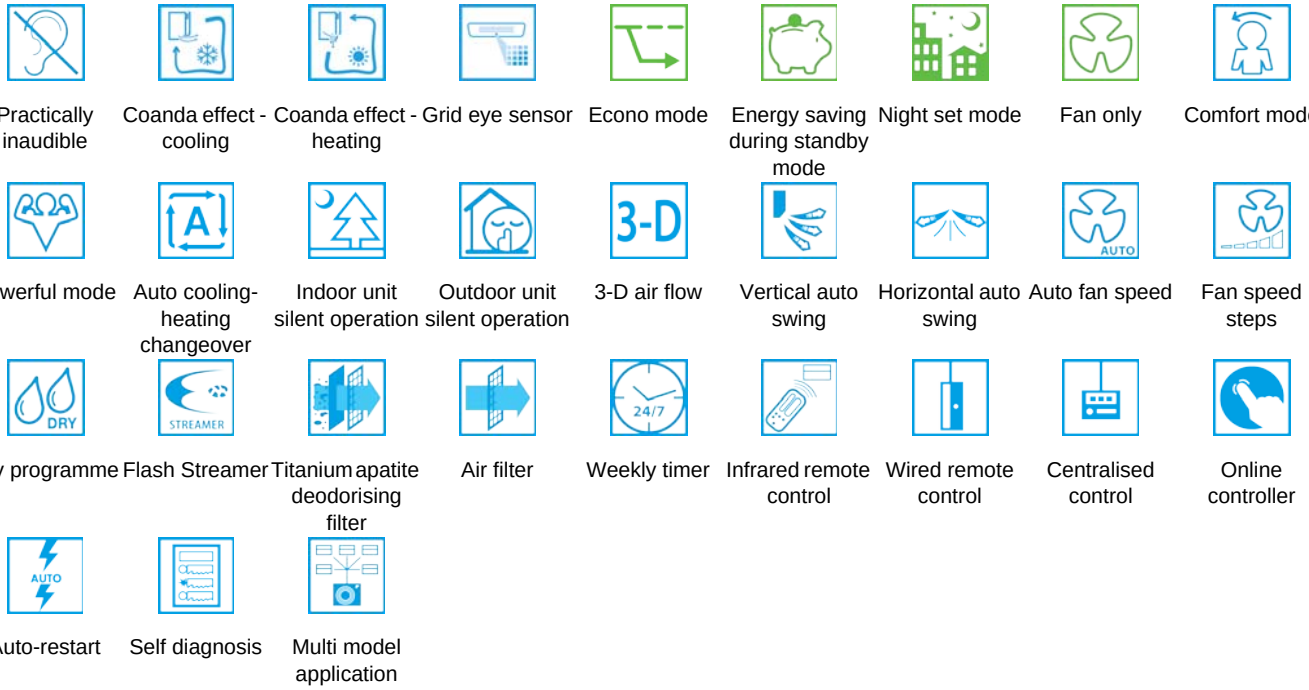

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- A compact and functional design suitable for all interiors in a matt crystal white finish
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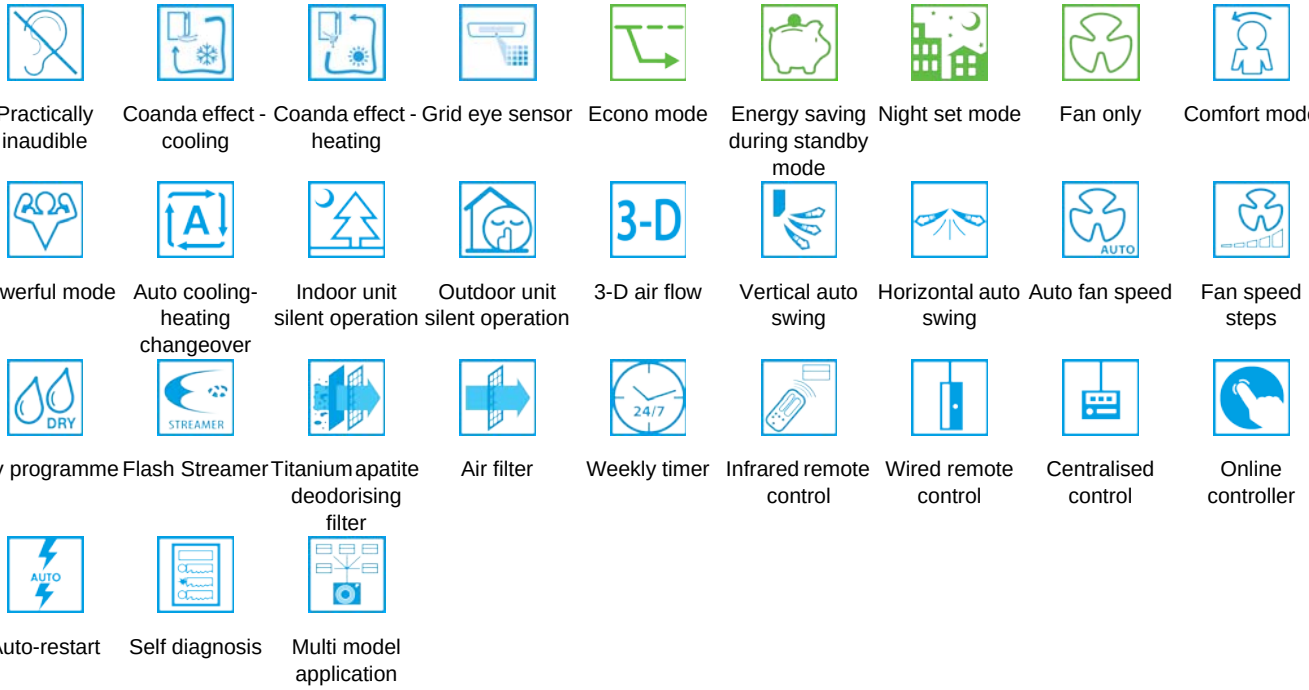

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2 Specifications

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	0.036	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			m²		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			m²		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	m³/min		11.0		11.5	11.9	13.1	13.5
				cfm		388		406	420	463	477
			Medium	m³/min		8		9		10	
				cfm		290		304		346	367
			Low	m³/min		6.1				7.2	7.6
				cfm		215				254	268
			Silent operation	m³/min		4.6					5.2
				cfm		162					184
		Heating	High	m³/min		10.9		11.1	11.5	14.6	15.1
				cfm		385		392	406	516	533
			Medium	m³/min		8.7		9.0		10.5	11.1
				cfm		307		318		371	392
			Low	m³/min		6.4				7.7	8.2
				cfm		226				272	290
			Silent operation	m³/min		4.5				5.2	5.7
				cfm		159				184	201

2 Specifications

2-1 Technical Specifications					CTXA15AS/AT/AW	FTXA20AS/AT/AW	FTXA25AS/AT/AW	FTXA35AS/AT/AW	FTXA42AS/AT/AW	FTXA50AS/AT/AW
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;

2-2 Electrical Specifications				CTXA15AS/AT/AW	FTXA20AS/AT/AW	FTXA25AS/AT/AW	FTXA35AS/AT/AW	FTXA42AS/AT/AW	FTXA50AS/AT/AW
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)					

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

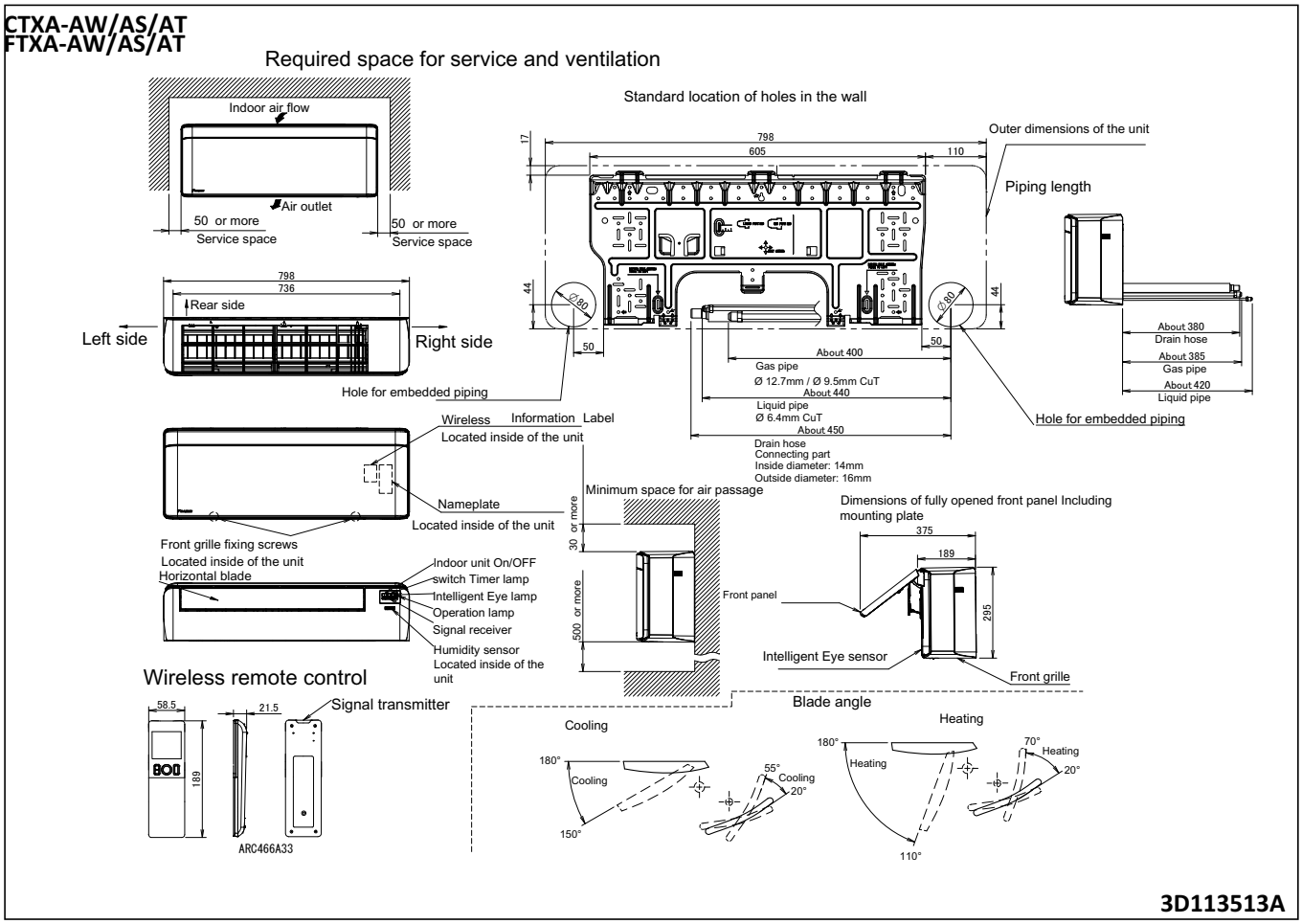
Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
			CTXA15A2V1BW	15	STYLISH	DICz
			CTXA15A2V1BS	15	STYLISH	DICz
			CTXA15A2V1BT	15	STYLISH	DICz
			FTXA20A2V1BW	20	STYLISH	DICz
			FTXA20A2V1BS	20	STYLISH	DICz
			FTXA20A2V1BT	20	STYLISH	DICz
			FTXA25A2V1BW	25	STYLISH	DICz
			FTXA25A2V1BS	25	STYLISH	DICz
			FTXA25A2V1BT	25	STYLISH	DICz
			FTXA35A2V1BW	35	STYLISH	DICz
			FTXA35A2V1BS	35	STYLISH	DICz
			FTXA35A2V1BT	35	STYLISH	DICz
			FTXA42A2V1BW	42	STYLISH	DICz
			FTXA42A2V1BS	42	STYLISH	DICz
			FTXA42A2V1BT	42	STYLISH	DICz
			FTXA50A2V1BW	50	STYLISH	DICz
			FTXA50A2V1BS	50	STYLISH	DICz
			FTXA50A2V1BT	50	STYLISH	DICz
Wired remote control	BRC073A4	②③	✓	✓	✓	✓
Extension cord for wired remote control (·3·m)	BRCW901A03		✓	✓	✓	✓
Extension cord for wired remote control (·8·m)	BRCW901A08		✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP928BA2S	②③	✓	✓	✓	✓
Central remote control	DCS302CA51	②③	✓	✓	✓	✓
Schedule timer	DST301BA51	②③	✓	✓	✓	✓
Unified ON/OFF controller	DCS301B51	②③	✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413A1S	②③	✓	✓	✓	✓
Conversion wire harness	EKRS21	②	✓	✓	✓	✓
Anti-theft protection for remote control	KKF910A4		✓	✓	✓	✓
·KNX· interface	KLIC-DD	②③	✓	✓	✓	✓
Titanium apatite deodorising filter without frame	KAF970A46	①	✓	✓	✓	✓
Silver particle filter (Ag-ion) with frame	KAF057A41	①	✓	✓	✓	✓

Notes

1. Standard accessory
2. This option features a(n) ·S21· connector. To connect this option to the indoor unit, therefore conversion wire harness ·EKRS21· is required.
3. This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.
   When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.

3 Dimensional drawings

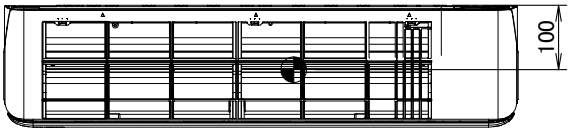
3 - 1 Dimensional Drawings

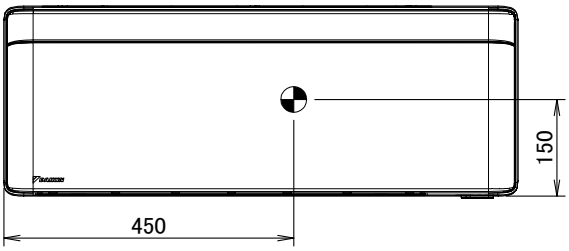


4 Centre of gravity

4 - 1 Centre of Gravity

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





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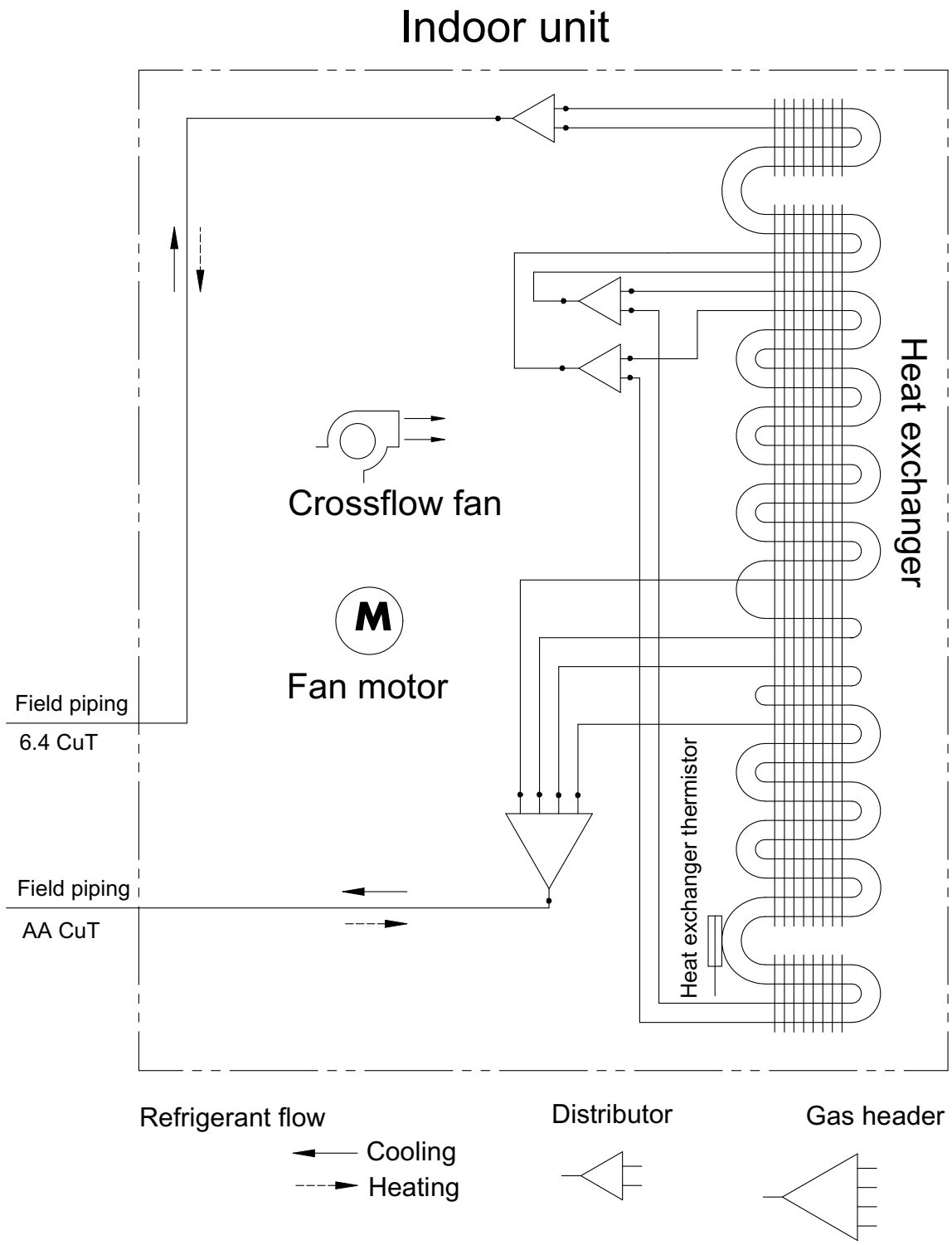
5 Piping diagrams

5 - 1 Piping Diagrams

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



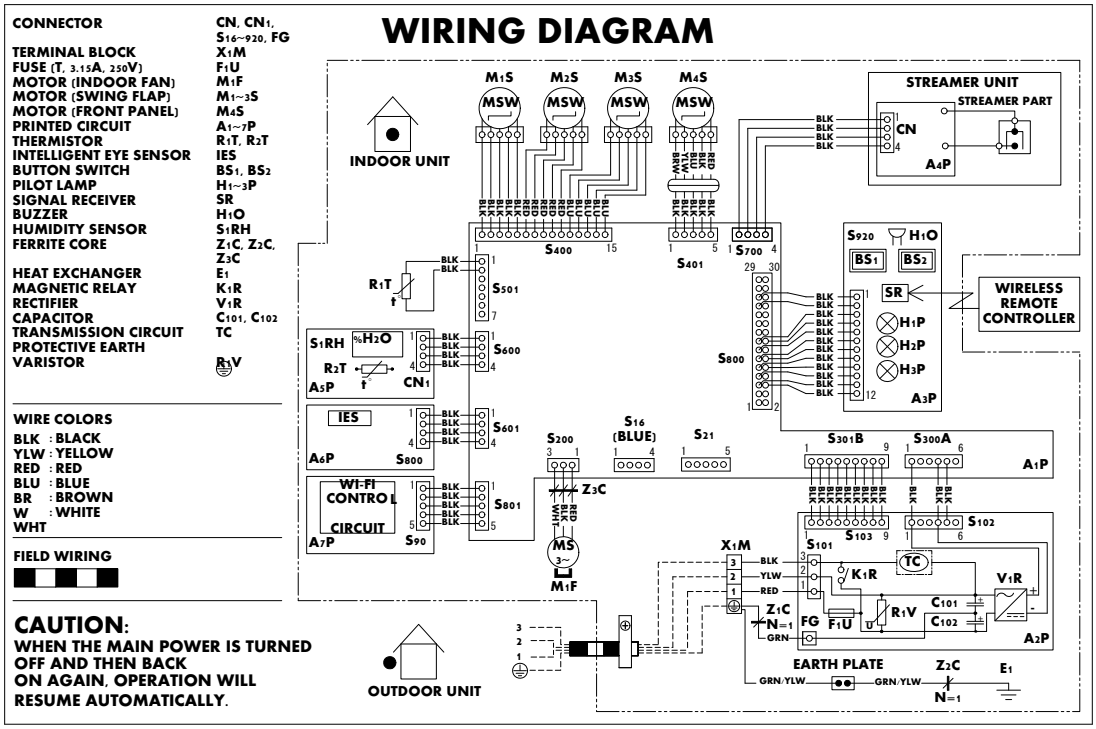
AA	Class
9.5	15~35
12.7	42~50

4D113514

6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

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



NOTES:

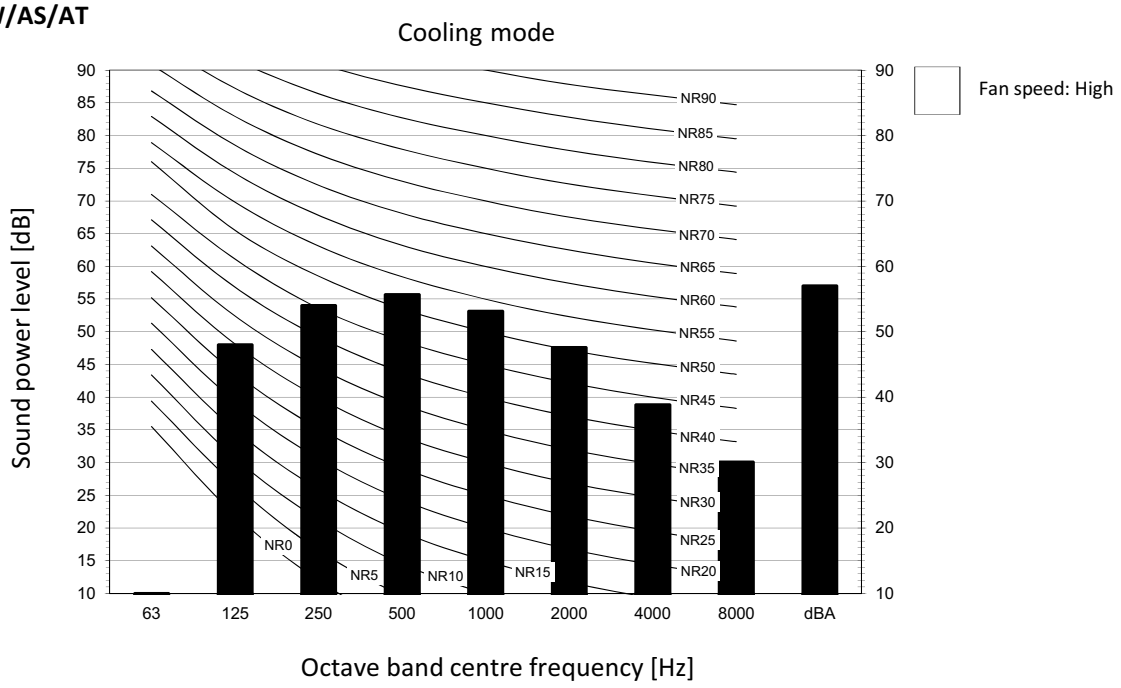
1. SIZE: HEIGHT 86 × WIDTH 130.
2. REFER TO PURCHASING SPECIFICATION AS303002 UNLESS OTHERWISE SPECIFIED.

3D113338C

7 Sound data

7 - 1 Sound Power Spectrum

CTXA15AW/AS/AT
FTXA20AW/AS/AT

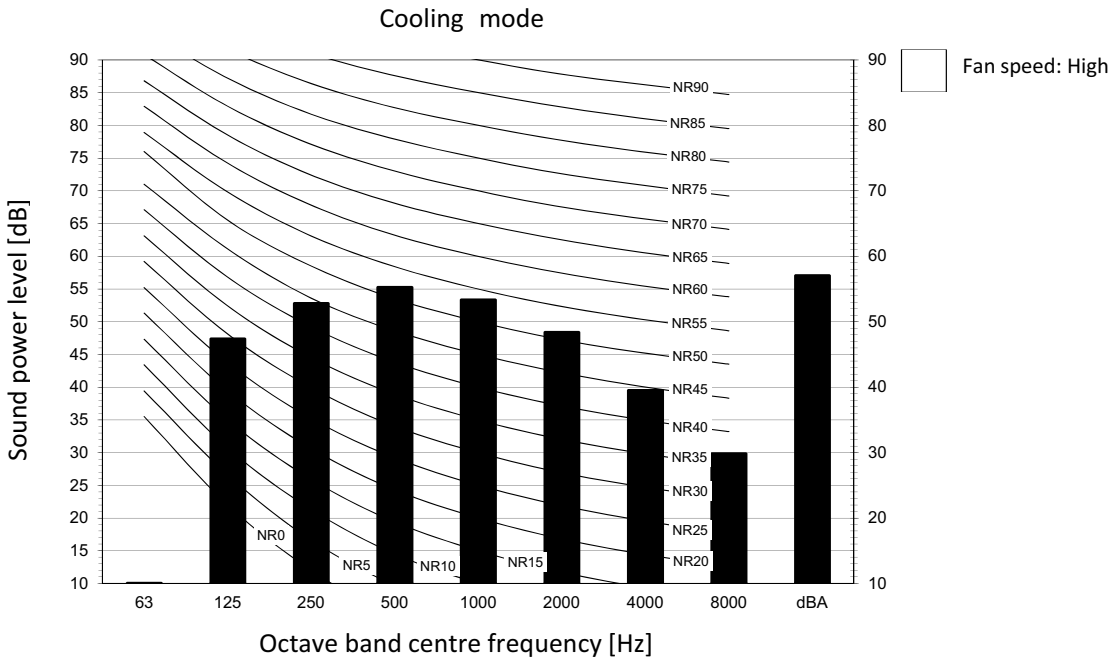


Notes

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

3D115037

FTXA25AW/AS/AT



Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
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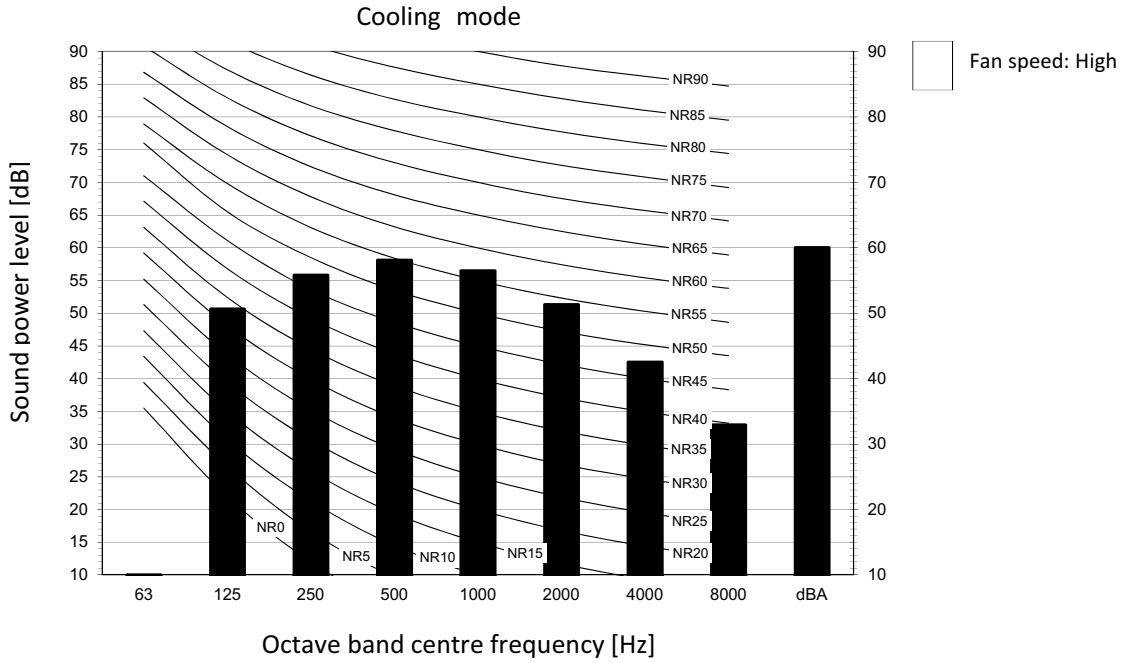
3D115038

7 Sound data

7 - 1 Sound Power Spectrum

FTXA35AW/AS/AT



Notes

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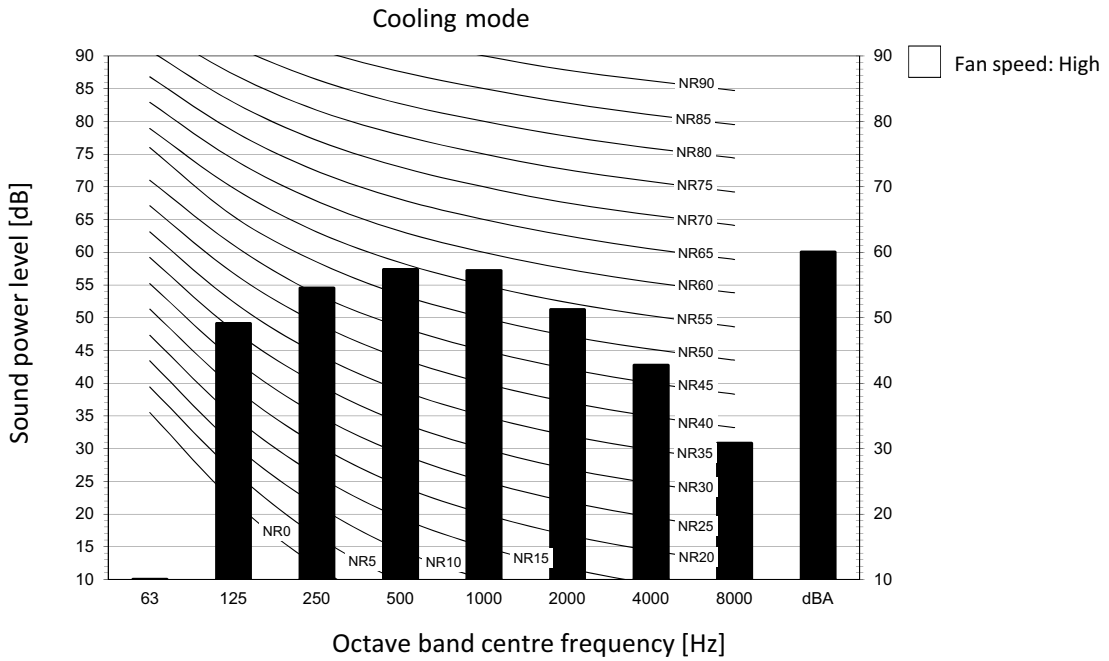
3D115039

FTXA42AW/AS/AT



Notes

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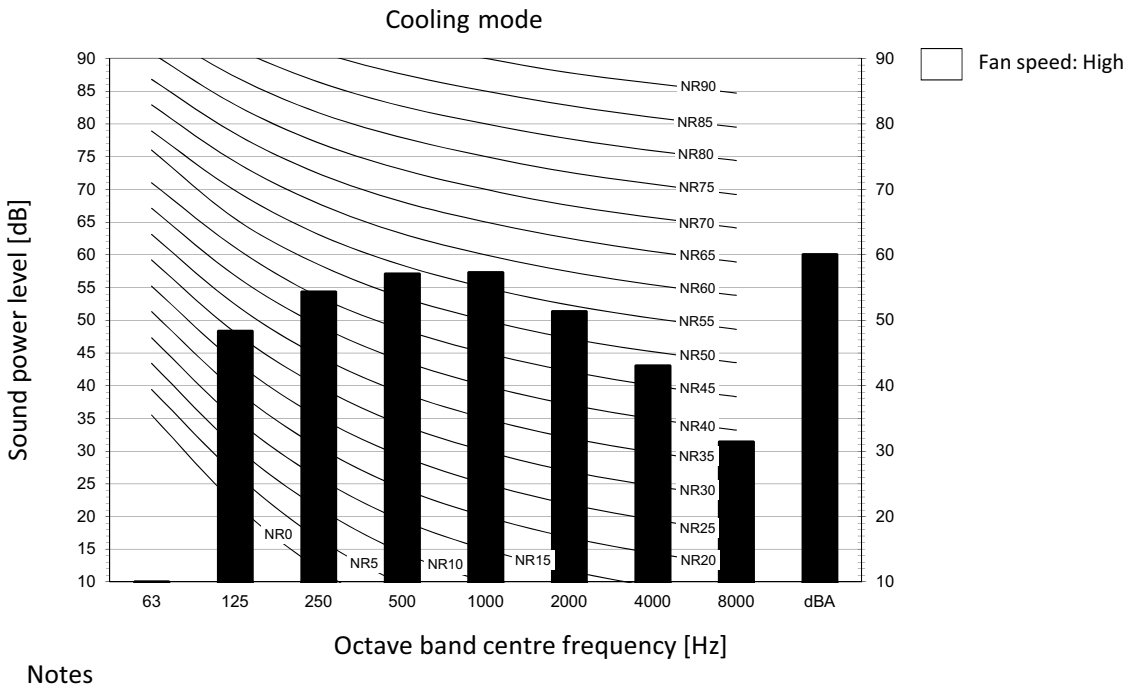
3D115040

7 Sound data

7 - 1 Sound Power Spectrum

FTXA50AW/AS/AT



Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
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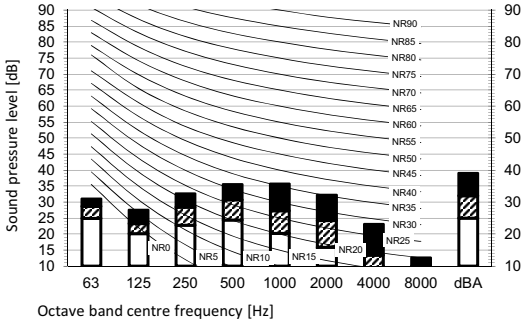
3D115041

7 Sound data

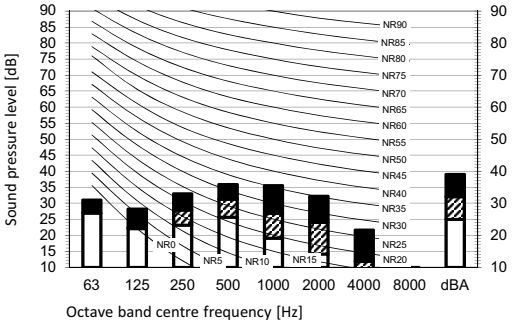
7 - 2 Sound Pressure Spectrum

CTXA15AW/AS/AT

Cooling mode



Heating mode



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

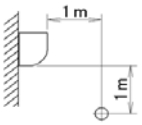
Cooling — Total dB

A	B	C	D
dBA	39	32	25

Heating — Total dB

A	B	C	D
dBA	39	32	25

Location of microphone



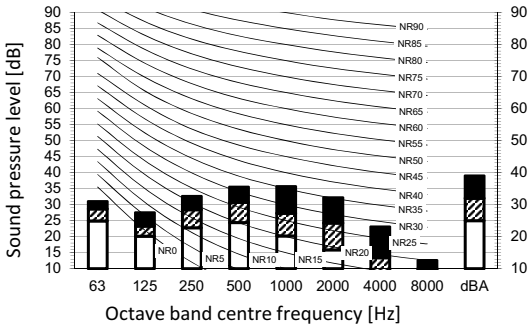
Notes

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

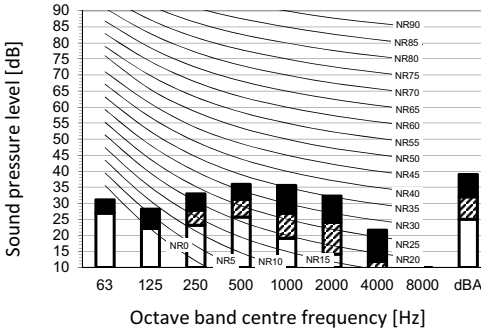
3D114924

FTXA20AW/AS/AT

Cooling mode



Heating mode



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

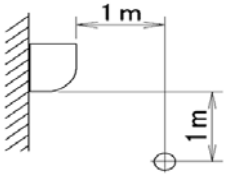
Cooling — Total dB

A	B	C	D
dBA	39	32	25

Heating — Total dB

A	B	C	D
dBA	39	32	25

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

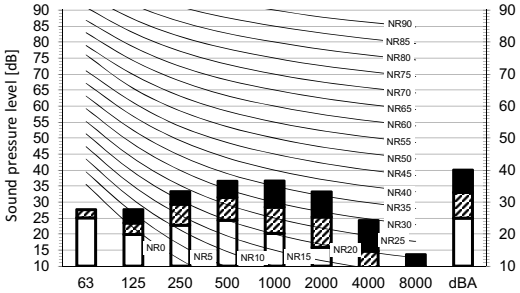
3D114919

7 Sound data

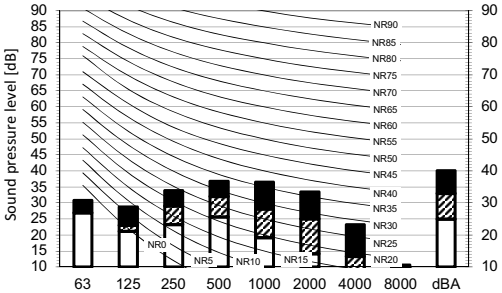
7 - 2 Sound Pressure Spectrum

FTXA25AW/AS/AT

Cooling mode



Heating mode



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

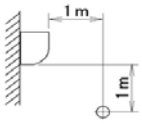
Cooling — Total dB

A	B	C	D
dBA	40	33	25

Heating — Total dB

A	B	C	D
dBA	40	33	25

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.

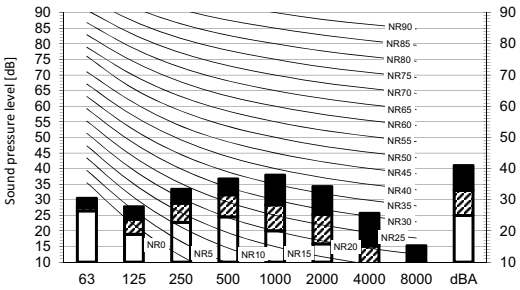
4 . The operation noise measuring method is in accordance with JISC 9612.

5 . Measuring location: anechoic chamber

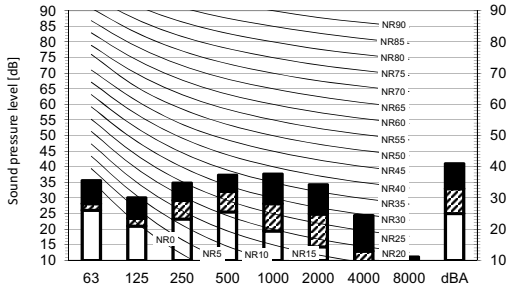
3D114920

FTXA35AW/AS/AT

Cooling mode



Heating mode



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

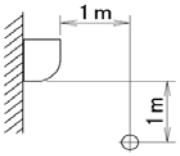
Cooling — Total dB

A	B	C	D
dBA	41	33	25

Heating — Total dB

A	B	C	D
dBA	41	33	25

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 JISC 9612.

5 . Measuring location: anechoic chamber

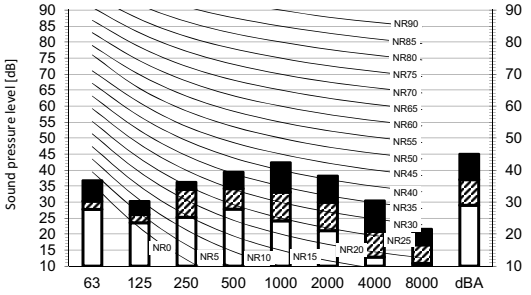
3D114921

7 Sound data

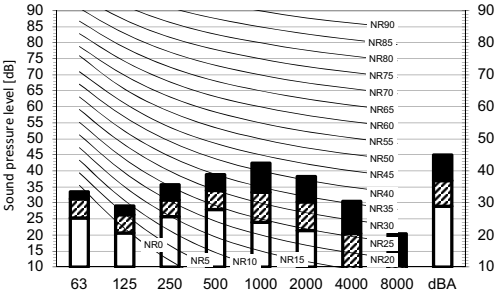
7 - 2 Sound Pressure Spectrum

FTXA42AW/AS/AT

Cooling mode



Heating mode



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

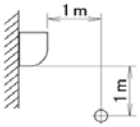
Cooling Total dB

A	B	C	D
dBA	45	37	29

Heating Total dB

A	B	C	D
dBA	45	37	29

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.

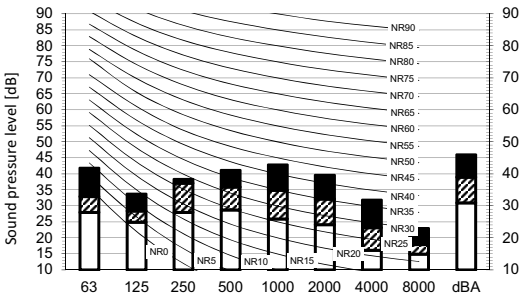
4 . The operation noise measuring method is in accordance with JISC 9612.

5 . Measuring location: anechoic chamber

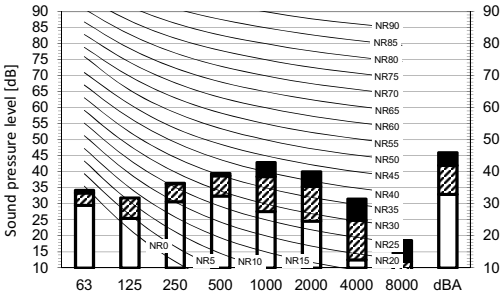
3D114922

FTXA50AW/AS/AT

Cooling mode



Heating mode



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

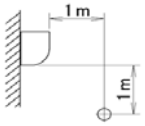
Cooling Total dB

A	B	C	D
dBA	46	39	31

Heating Total dB

A	B	C	D
dBA	46	42	33

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

3D114923A

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