



Wall mounted unit  
Air Conditioning  
Technical Data  
FTXTA-CB





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# FTXTA-CB

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# 1 Features

## 1 - 1 FTXTA-CB

Where innovation meets creativity, even at ambient temperatures down to -30°C

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- › Guaranteed heating capacity at low ambient temperature, down to -30°C
- › When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- › A compact and functional design suitable for all interiors in a matt black 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 intelligent thermal 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
- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- › 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
- › Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- › Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- › Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)



Fireplace logic



Coanda effect  
- cooling



Coanda effect  
- heating



Intelligent  
thermal sensor



Heat boost



Guaranteed  
operation  
down to -30°C



Onecta app



Econo mode



Energy  
saving during  
standby mode

# 1 Features

## 1 - 1 FTXTA-CB

- |  |  |  |  |   |   |  |  |  |
|--|--|--|--|---|---|--|--|--|
| <br>Night set mode        | <br>Fan only                | <br>Comfort mode              | <br>Powerful mode       | <br>Auto cooling-heating changeover                  | <br>Indoor unit silent operation | <br>Outdoor unit silent operation | <br>3-D air flow                        | <br>Vertical auto swing |
| <br>Horizontal auto swing | <br>Auto fan speed          | <br>Fan speed steps (5 steps) | <br>Dry programme       | <br>Silver allergen removal and air purifying filter | <br>Flash Streamer               | <br>Practically inaudible         | <br>Titanium apatite deodorising filter | <br>Air filter          |
| <br>Weekly timer          | <br>Infrared remote control | <br>Wired remote control      | <br>Centralised control | <br>Auto-restart                                     | <br>Self diagnosis               | <br>Multi model application       |  |  |

## 2 Specifications

### 2 - 1 Specifications

Technical specifications					FTXTA30CB	
Power input	Cooling	Nom.		kW	0.023	
	Heating	Nom.		kW	0.022	
Casing	Colour				Black	
Dimensions	Unit	Height		mm	295	
		Width		mm	798	
		Depth		mm	189	
	Packed unit	Height		mm	305	
		Width		mm	875	
		Depth		mm	406	
Weight	Unit			kg	12	
	Packed unit			kg	14	
Packing	Weight				2	
Heat exchanger	Length				622	
	Rows	Quantity			2	
		Fin pitch				1.40
	Stages	Quantity			18	
		Passes				3.0
	Tube type				ø5 Hi-XB	
	Fin	Type			ML fin (Multi louver)	
		Length				614
	Heat exchanger 2	Rows	Quantity			1
			Fin pitch			
Stages				4		
Heat exchanger 3	Length				614	
	Rows	Quantity			1	
		Fin pitch				1.40
	Stages				4	
Fan	Type				Cross flow fan	
	Air flow rate	Cooling	High	m <sup>3</sup> /min	13.1	
				cfm	463	
			Medium	m <sup>3</sup> /min	9.0	
				cfm	318	
			Low	m <sup>3</sup> /min	6.0	
		cfm		212		
		Silent operation	m <sup>3</sup> /min	4.9		
			cfm	173		
			Heating	High	m <sup>3</sup> /min	12.3
cfm					434	
Medium	m <sup>3</sup> /min			8.2		
	cfm	290				
Low	m <sup>3</sup> /min	5.8				
	cfm	205				
Silent operation	m <sup>3</sup> /min	5.0				
	cfm	177				
Fan motor	Model				MM9G21V28VA	
	Type				DC motor	
	Speed	Steps				5 + silent, + auto
		Cooling	High	rpm	1,180	
				rpm	880	
			Medium	rpm	660	
				rpm	570	
			Heating	High	rpm	1,140
		rpm			870	
		Medium		rpm	710	
rpm				640		
Silent operation				640		
Sound power level	Cooling				60.0	
	Heating				60.0	
Sound pressure level	Cooling	High	dBA	43.0		
			dBA	32.0		
		Medium	dBA	25.0		
			dBA	20.0		
		Heating	High	dBA	41.0	
	dBA			31.0		
	Medium		dBA	24.0		
			dBA	19.0		
	Silent operation				19.0	
	Refrigerant	Type				R-32
GWP				675.0		
Heat exchanger 3	Quantity				1	
Piping connections	Liquid	OD			6.35	
		Gas				9.50
	Drain				18	
	Heat insulation				Both liquid and gas pipes	

## 2 Specifications

### 2 - 1 Specifications

Technical specifications			FTXTA30CB
Air filter	Type		Removable / washable
Air filter	Quantity	pc	2
Air direction control			Right, Left, Horizontal, Downward
Temperature control			Microcomputer control
Control systems	Infrared remote control		ARC466A84
	Wired remote control		BRC073A4

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

Standard accessories: Wireless remote control;Quantity: 1;

Standard accessories: Remote control holder;Quantity: 1;

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

Standard accessories: Titanium apatite deodorizing filter;Quantity: 1;

Standard accessories: Silver particle filter;Quantity: 1;

Standard accessories: Screw cover;Quantity: 2;

Standard accessories: Screw bag;Quantity: 1;

Standard accessories: General safety precautions;Quantity: 1;

Electrical specifications				FTXTA30CB
Power supply	Phase			1~
	Frequency		Hz	50
	Voltage		V	220-240
Wiring connections - 50Hz	For power supply	Quantity		3
		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)
Current	Nominal running current (RLA)	Cooling	A	0.40

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m |

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m |

See separate drawing for electrical data

# 3 Options

## 3 - 1 Options

3

**FTXTA-CB**  
**FTXTA-CW**

Option kit	Product name	Remark	Stylish midlife improvement								
			Applicable models	Class	Casing	Factory	DICZ				
			CTXA15C2V1BB, CTA15C2V1BS, CTA15C2V1BS	15	Stylish	DICZ					
			FTXA20C2V1BW, FTXA20C2V1BB, FTXA20C2V1BS	20							
			FTXA25C2V1BW, FTXA25C2V1BB, FTXA25C2V1BS	25							
			FTXA35C2V1BW, FTXA35C2V1BB, FTXA35C2V1BS	35							
			FTXA42C2V1BW, FTXA42C2V1BB, FTXA42C2V1BS	42							
			FTXA50C2V1BW, FTXA50C2V1BB, FTXA50C2V1BS	50							
			FTXTA30C2V1BW, FTXA30C2V1BS	30							
Wired remote control	BRC073A1	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (-3-m)	BRCW901A03		✓	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (-8-m)	BRCW901A08		✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Tablet Controller	DCC601A51	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP928BB2S	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Central remote control	DCS302CA51	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schedule timer	DST301BA51	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Touch Manager	DCM601A5A	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modbus- interface	EKM6DXA7V1	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modbus gateway	RTD-RA	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
KNX- interface	KLIC-DD	(2)(3)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Titanium apatite deodorising filter without frame	KAF970A46	(1)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Silver particle filter (Ag-ion) with frame	KAF057A41	(1)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Conversion wire harness	EKRS21		✓	✓	✓	✓	✓	✓	✓	✓	✓

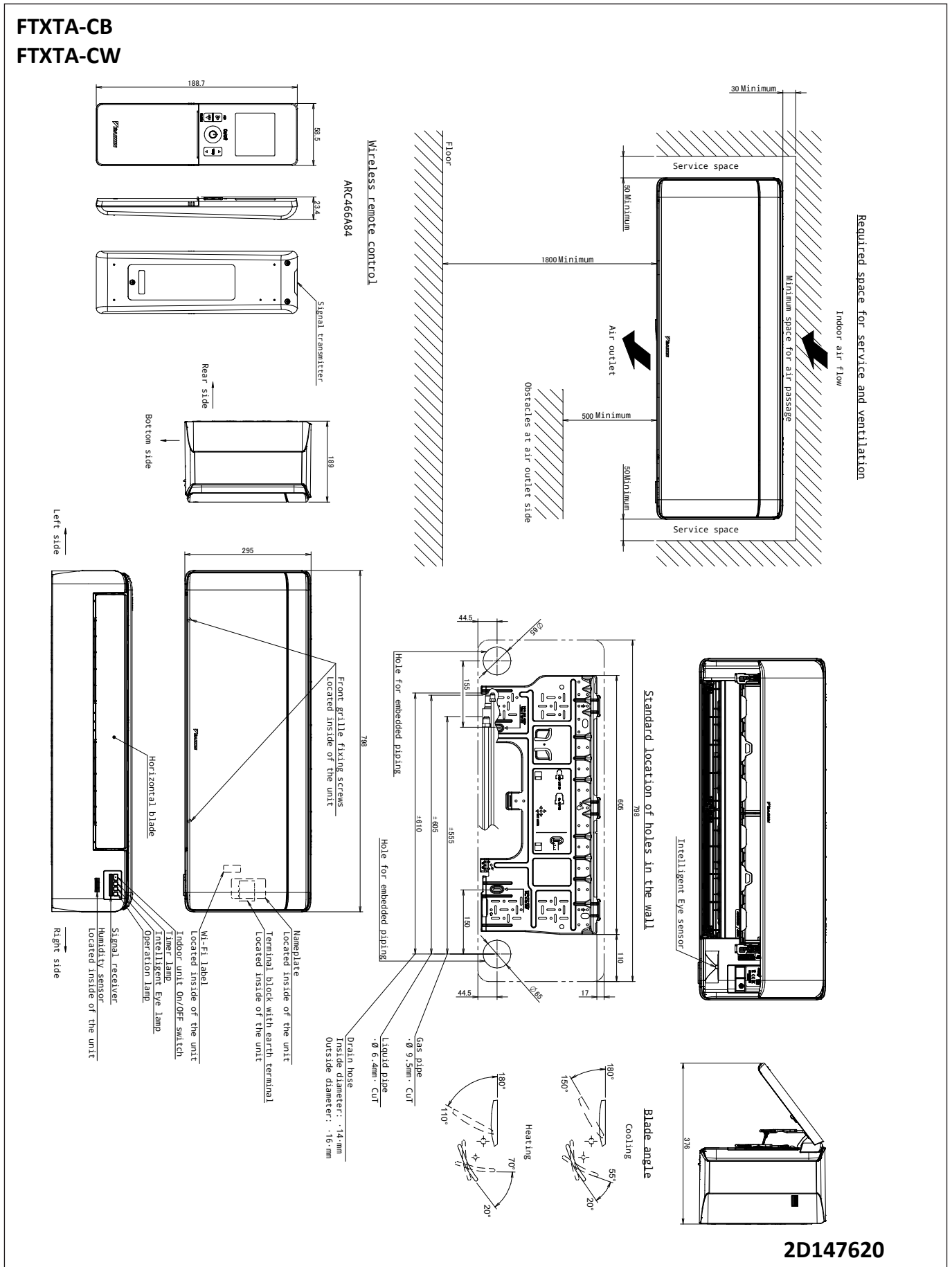
Notes

- Standard accessory
- This option features a(n) -S21- connector. To connect this option to the indoor unit, therefore conversion wire harness -EKRS21- is required.
- 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.

**4D147525**

# 4 Dimensional drawings

## 4 - 1 Dimensional Drawings

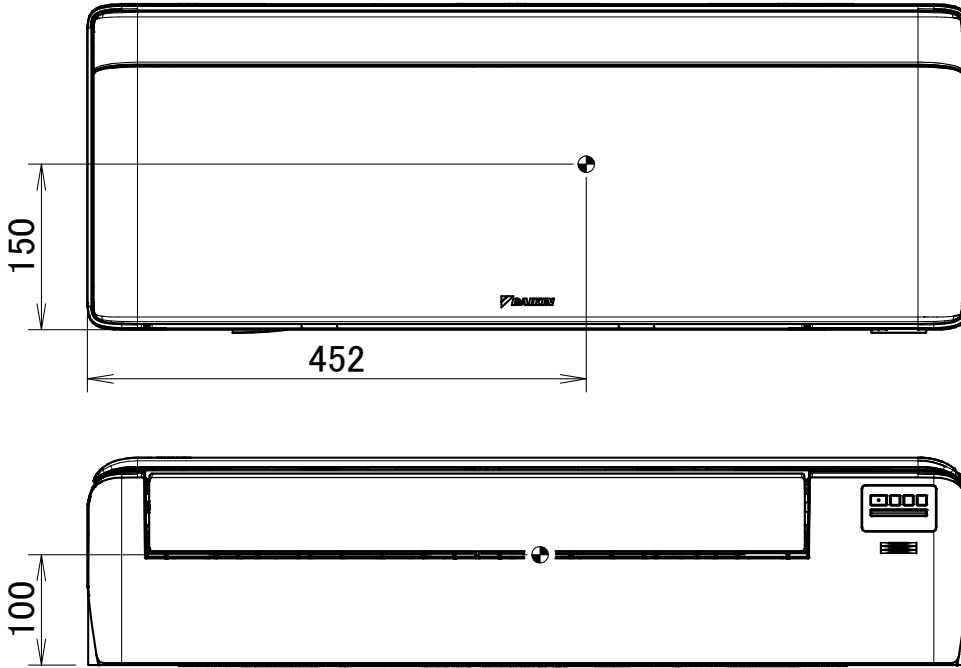


# 5 Centre of gravity

## 5 - 1 Centre of Gravity

5

FTXTA-CB  
FTXTA-CW









4D147661

# 6 Piping diagrams



## 6 - 1 Piping Diagrams

**FTXTA-CB**  
**FTXTA-CW**

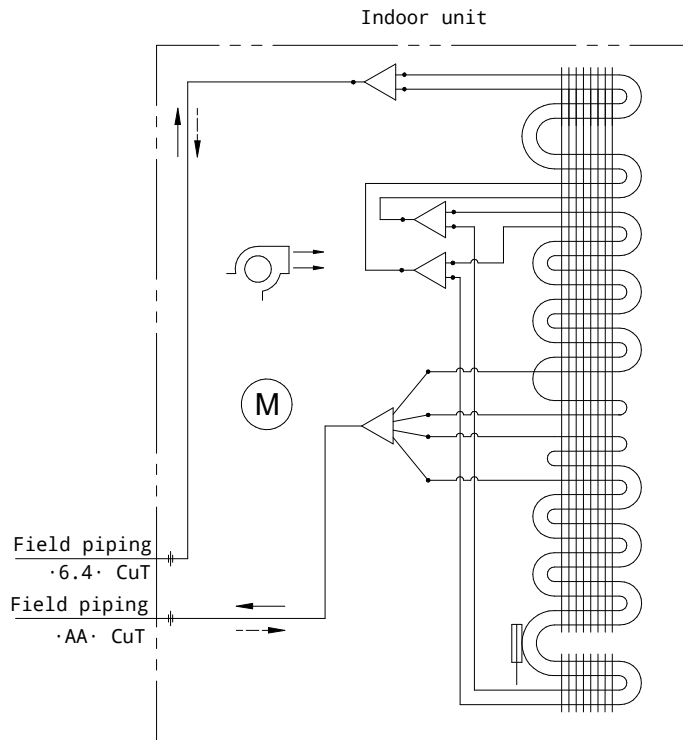
Legend

-  Fan motor
-  Thermistor
-  Heat exchanger
-  Crossflow fan
-  Distributor
-  Screw connection

Refrigerant flow

-  Cooling
-  Heating

AA	Class
9.5	15-42
12.7	50



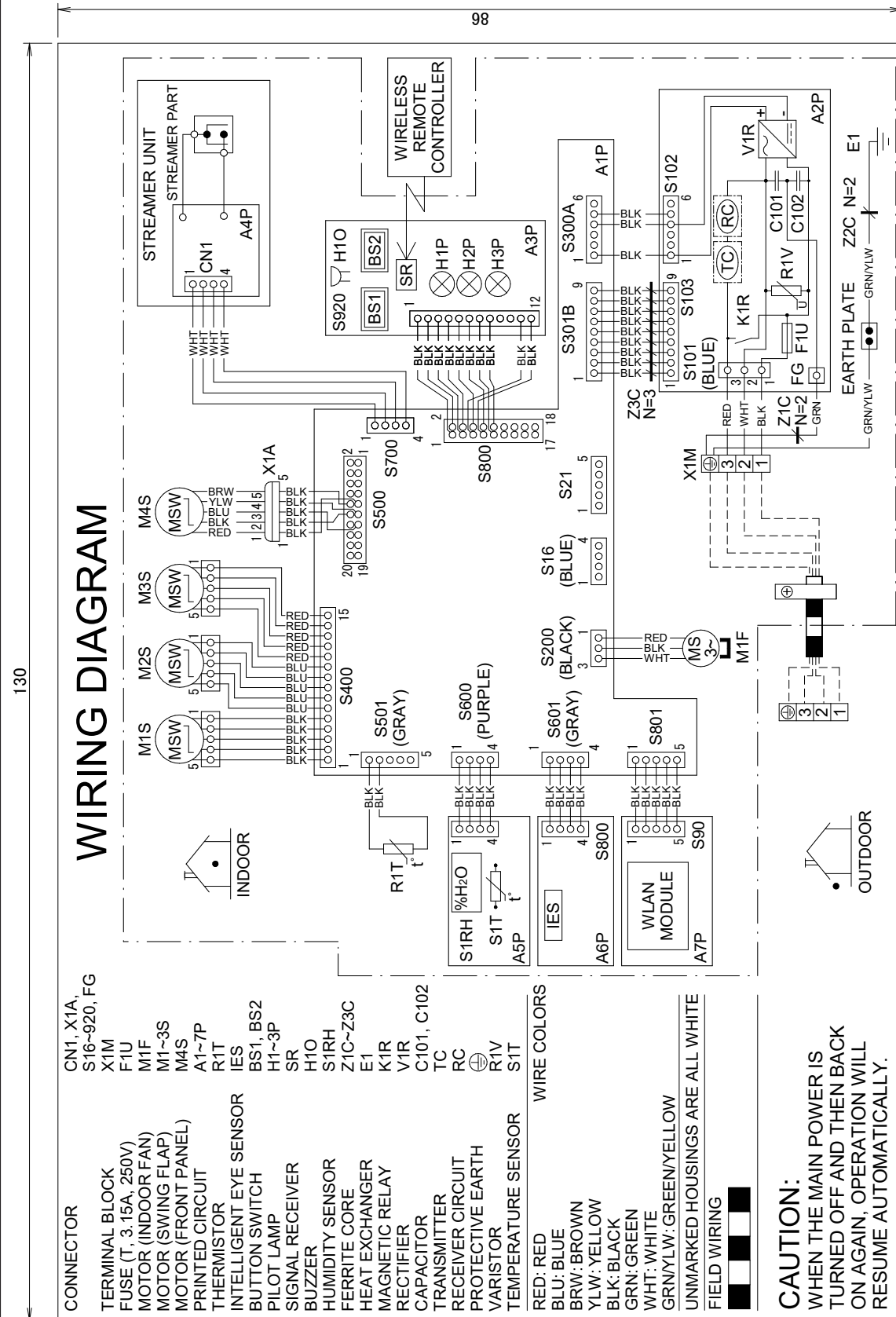
**3D147549**

# 7 Wiring diagrams

## 7 - 1 Wiring Diagrams - Single Phase

7

FTXTA-CB  
FTXTA-CW



### WIRING DIAGRAM

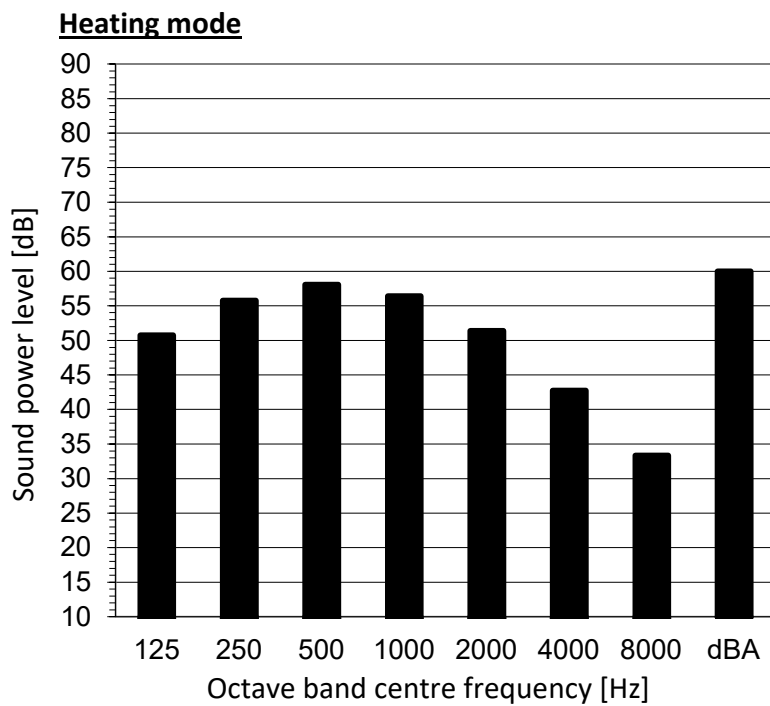
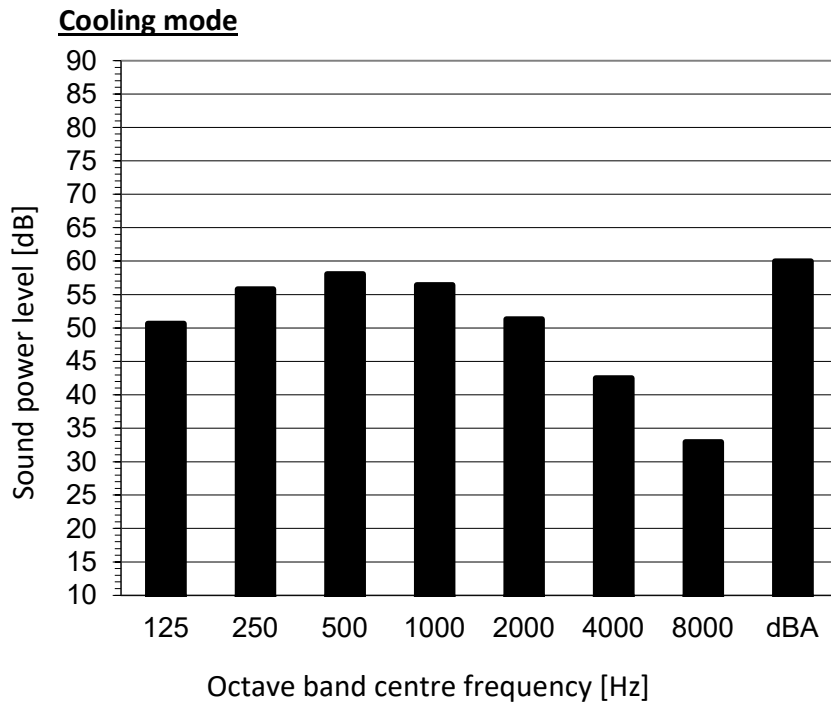
NOTES:  
1. SIZE: HEIGHT 86 x WIDTH 130.  
2. REFER TO PURCHASING SPECIFICATION AS030002 UNLESS OTHERWISE SPECIFIED.

3D145108

# 8 Sound data

## 8 - 1 Sound Power Spectrum

FTXTA-CB  
FTXTA-CW



■ Fan speed: High

**Notes**

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB =  $10^{-6}$  W
3. Measured according to ISO 3744

3D124007A

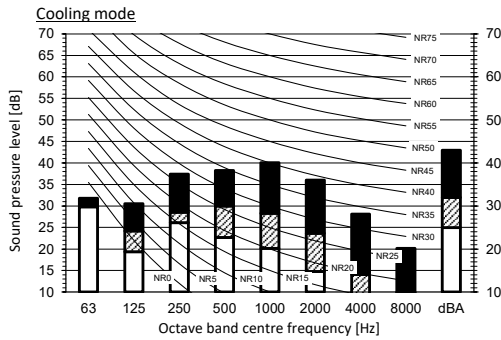
# 8 Sound data

## 8 - 2 Sound Pressure Spectrum

8

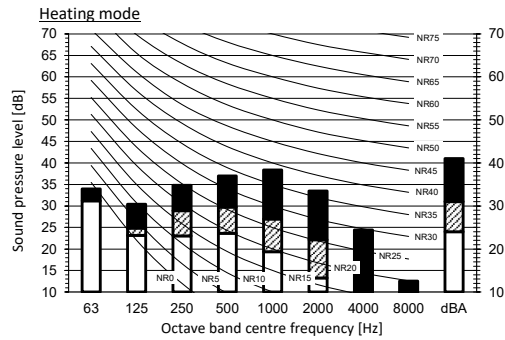
### FTXTA-CB

### FTXTA-CW



Cooling  
Total dB

A	B	C	D
dBA	43	32	25



Heating  
Total dB

A	B	C	D
dBA	41	31	24

**Legend**

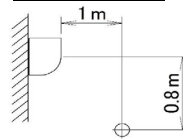
dBA = A-weighted sound pressure level (A scale according to IEC).

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

**Notes**

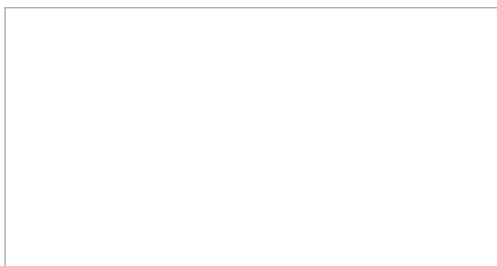
1. Operating conditions: power source -220-240-V ·50-Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

**Location of microphone**



4D148127

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10/2023



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