



Wall mounted unit  
Air Conditioning  
Technical Data  
FTXTA-CB



FTXTA30C2V1BB



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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

1

- › 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         |                     |                  |                     | 60.0                |                           |                    |
| 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<br>- 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, CTXA15C2V1BS               | 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

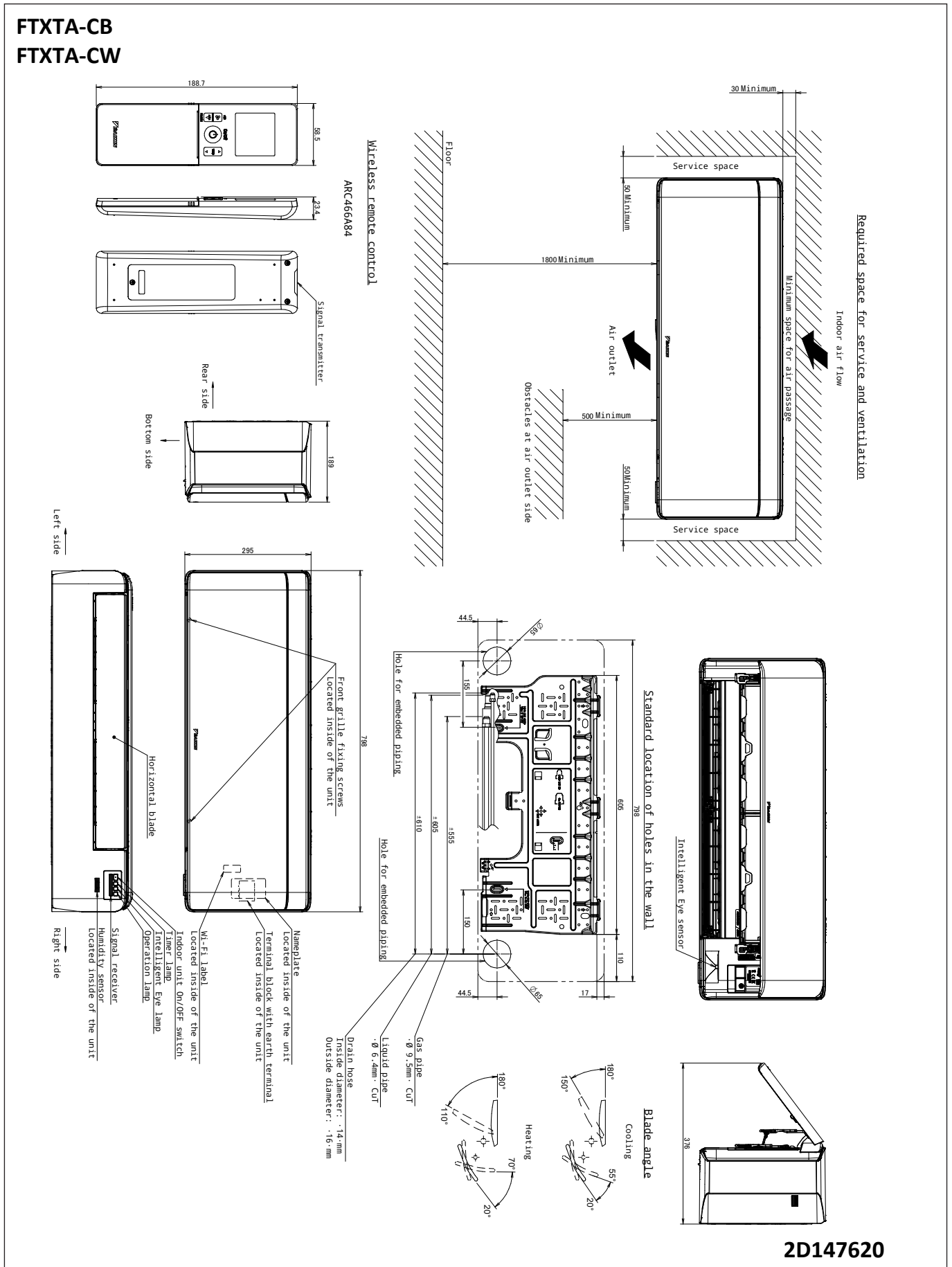
- Standard accessory
- This option features a(n) -S21- connector. To connect this option to the indoor unit, therefore conversion wire harness -EKRS21- is required.
- This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.  
When connecting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

**4D147525**



# 4 Dimensional drawings

## 4 - 1 Dimensional Drawings

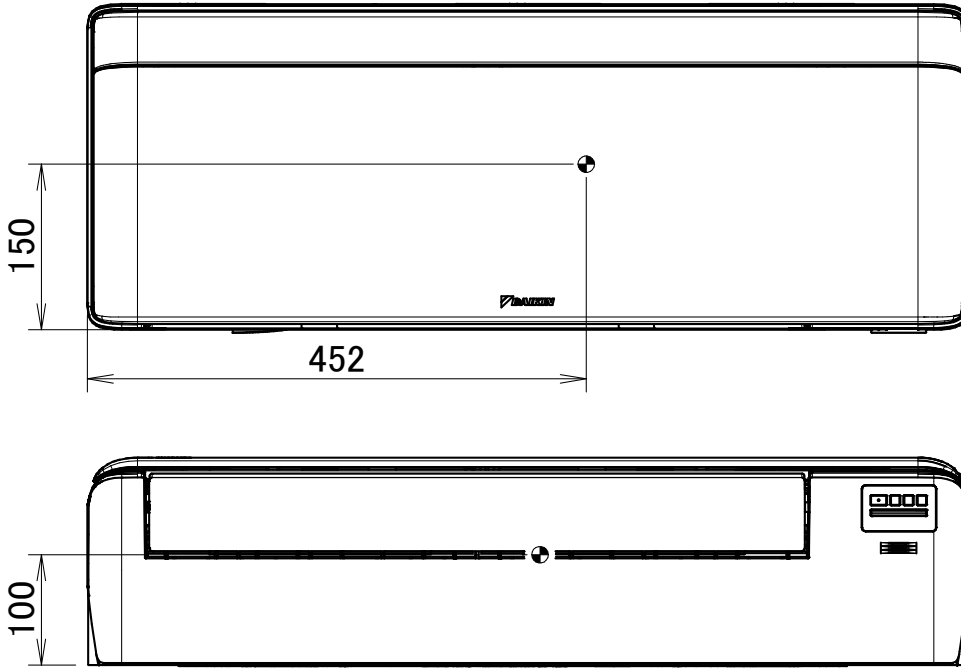


# 5 Centre of gravity

## 5 - 1 Centre of Gravity

5

FTXTA-CB  
FTXTA-CW









4D147661

# 6 Piping diagrams



## 6 - 1 Piping Diagrams

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

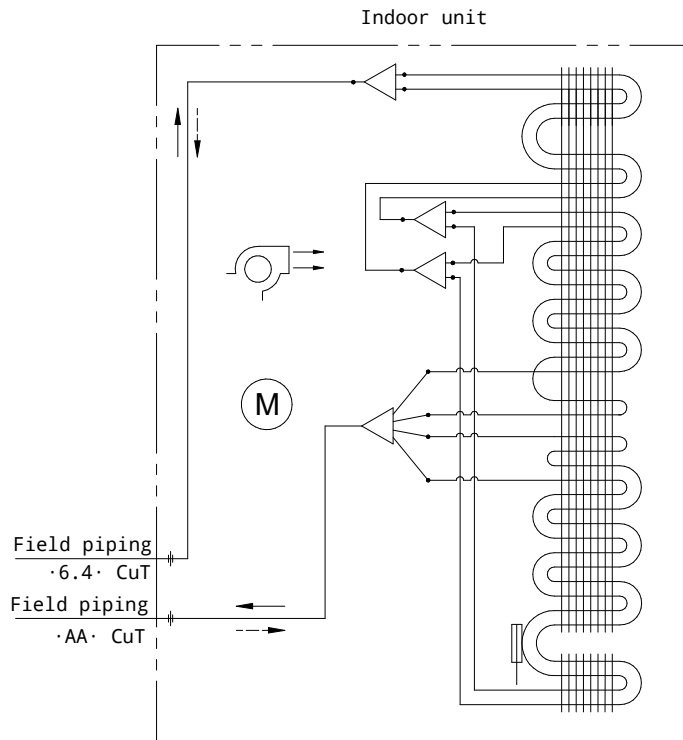
Legend

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

Refrigerant flow

-  Cooling
-  Heating

| AA   | Class |
|------|-------|
| 9.5  | 15-42 |
| 12.7 | 50    |



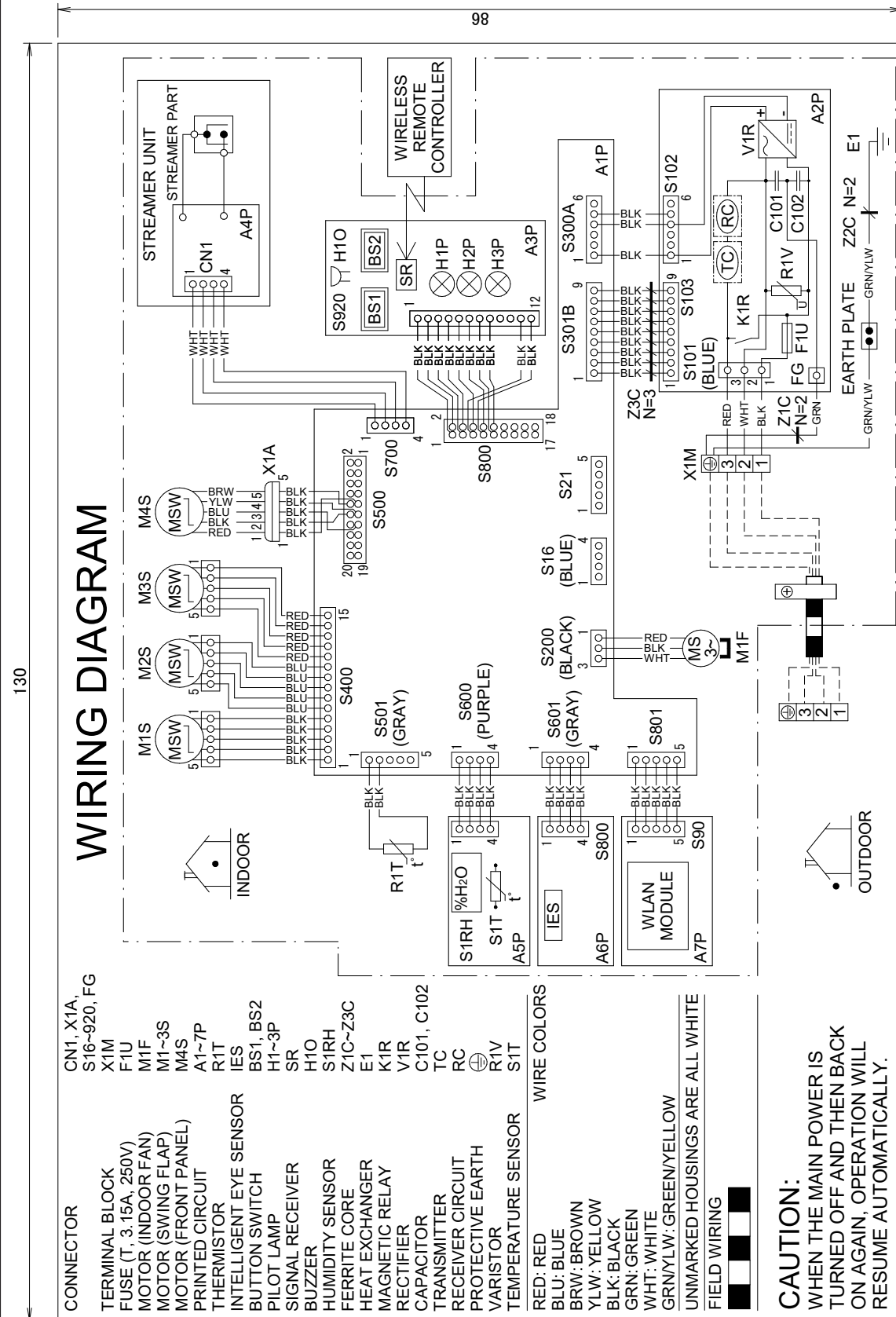
**3D147549**

# 7 Wiring diagrams

## 7-1 Wiring Diagrams - Three Phase

7

FTXTA-CB  
FTXTA-CW



NOTES:

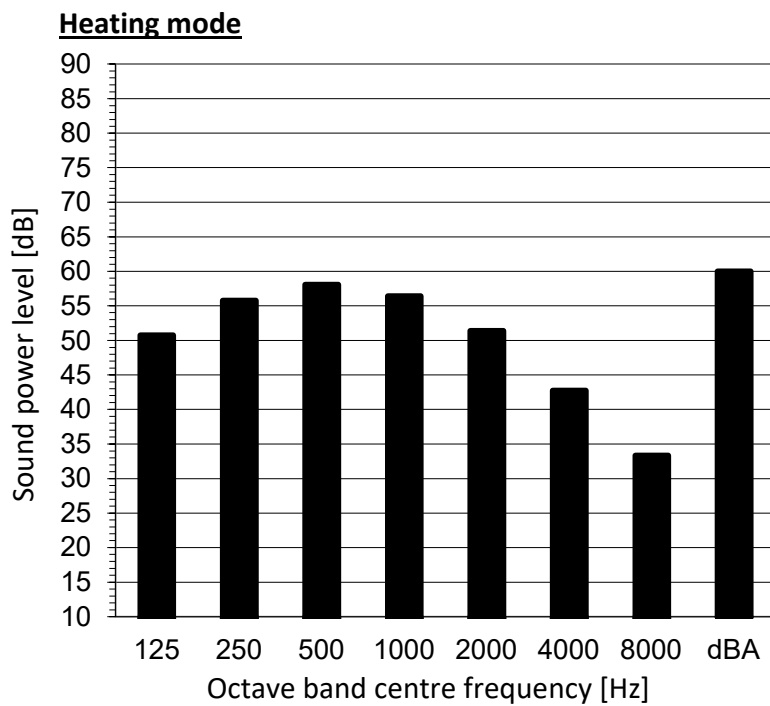
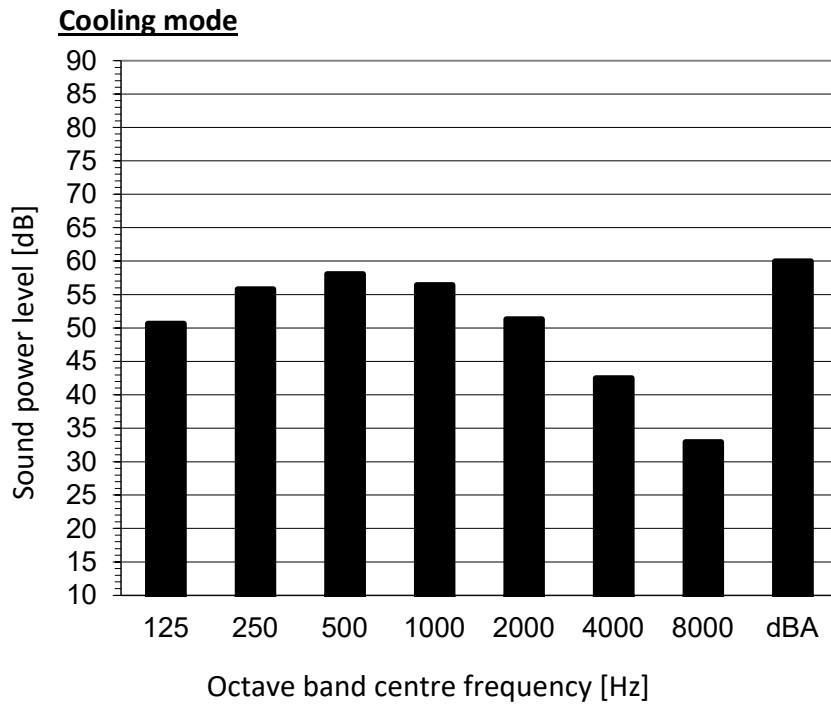
1. SIZE: HEIGHT 86 x WIDTH 130
2. REFER TO PURCHASING SPECIFICATION AS303002 UNLESS OTHERWISE SPECIFIED.

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

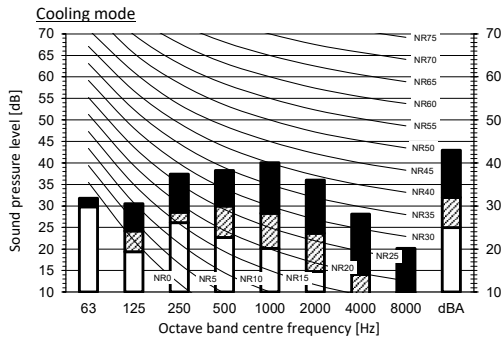
# 8 Sound data

## 8 - 2 Sound Pressure Spectrum

8

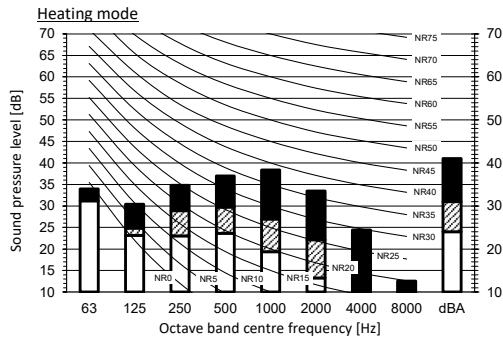
### FTXTA-CB

### 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**

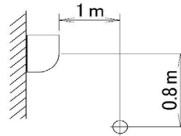
dBA = A-weighted sound pressure level (A scale according to IEC).

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

**Notes**

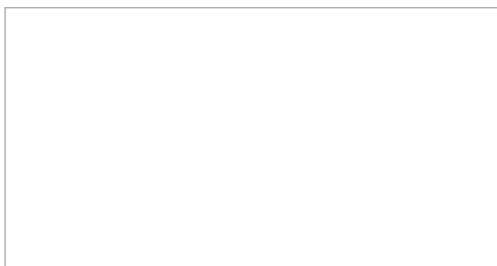
1. Operating conditions: power source -220-240-V ·50-Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

**Location of microphone**



4D148127

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