Wall mounted unit Air Conditioning Technical Data

FTXTA-CW



FTXTA30C2V1BW

EEDEN23

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1 Features

1 - 1 FTXTA-CW

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

- 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 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 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-CW


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 (5 steps)



Dry programme


Silver allergen removal and air purifying filter



Flash Streamer


Practically inaudible


Titanium apatite deodorising filter


Air filter



Weekly timer


Infrared remote control


Wired remote control


Centralised control



Auto-restart


Self diagnosis


Multi model application

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTA30CW
Power input	Cooling	Nom.		kW	0.023
	Heating	Nom.		kW	0.022
Casing	Colour				White
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			kg	2
Heat exchanger	Length			mm	622
	Rows	Quantity			2
	Fin pitch			mm	1.40
	Stages	Quantity			18
	Passes	Quantity			3.0
	Tube type				ø5 Hi-XB
	Fin	Type			ML fin (Multi louver)
Heat exchanger 2	Length			mm	614
	Rows	Quantity			1
	Fin pitch			mm	1.40
	Stages	Quantity			4
Heat exchanger 3	Length			mm	614
	Rows	Quantity			1
	Fin pitch			mm	1.40
	Stages	Quantity			4
Fan	Type				Cross flow fan
	Air flow rate	Cooling	High	m^3/min	13.1
				cfm	463
			Medium	m^3/min	9.0
				cfm	318
			Low	m^3/min	6.0
				cfm	212
			Silent operation	m^3/min	4.9
				cfm	173
Fan	Air flow rate	Heating	High	m^3/min	12.3
				cfm	434
			Medium	m^3/min	8.2
				cfm	290
			Low	m^3/min	5.8
				cfm	205
			Silent operation	m^3/min	5.0
				cfm	177
Fan motor	Model				MM9G21V28VA
	Type				DC motor
	Speed	Steps			5 + silent, + auto
		Cooling	High	rpm	1,180
			Medium	rpm	880
			Low	rpm	660
			Silent operation	rpm	570
		Heating	High	rpm	1,140
			Medium	rpm	870
			Low	rpm	710
			Silent operation	rpm	640
Sound power level	Cooling			dBA	60.0
	Heating			dBA	60.0
Sound pressure level	Cooling	High		dBA	43.0
		Medium		dBA	32.0
		Low		dBA	25.0
		Silent operation		dBA	20.0
	Heating	High		dBA	41.0
		Medium		dBA	31.0
		Low		dBA	24.0
		Silent operation		dBA	19.0
Refrigerant	Type				R-32
	GWP				675.0
Heat exchanger 3	Quantity			mm	1
Piping connections	Liquid	OD		mm	6.35
	Gas	OD		mm	9.50
	Drain				18
	Heat insulation				Both liquid and gas pipes

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTA30CW
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				FTXTA30CW
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

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Option kit	Product name	Remark		Applicable models: CTXA15C2V1BB, CTXA15C2V1BS	FTXA20C2V1BW, FTXA20C2V1BB, FTXA20C2V1BS	FTXA25C2V1BW, FTXA25C2V1BB, FTXA25C2V1BS	FTXA35C2V1BW, FTXA35C2V1BB, FTXA35C2V1BS	FTXA42C2V1BW, FTXA42C2V1BB, FTXA42C2V1BS	FTXA50C2V1BW, FTXA50C2V1BB, FTXA50C2V1BS	FTXTA30C2V1BW, FTXTA30C2V1BB
			Factory	Stylish midlife improvement						
				DICz						
			Casing	Stylish						
			Class	15	20	25	35	42	50	30
Wired remote control	BRC073A1	②③		✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (·3·m)	BRCW901A03			✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (·8·m)	BRCW901A08			✓	✓	✓	✓	✓	✓	✓
Intelligent Tablet Controller	DCC601A51	②③		✓	✓	✓	✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S	②③		✓	✓	✓	✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP928BB2S	②③		✓	✓	✓	✓	✓	✓	✓
Central remote control	DCS302CA51	②③		✓	✓	✓	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51	②③		✓	✓	✓	✓	✓	✓	✓
Schedule timer	DST301BA51	②③		✓	✓	✓	✓	✓	✓	✓
Intelligent Touch Manager	DCM601A5A	②③		✓	✓	✓	✓	✓	✓	✓
·Modbus· interface	EKMBDXA7V1	②③		✓	✓	✓	✓	✓	✓	✓
Modbus gateway	RTD-RA	②③		✓	✓	✓	✓	✓	✓	✓
·KNX· interface	KLIC-DD	②③		✓	✓	✓	✓	✓	✓	✓
Titanium apatite deodorising filter without frame	KAF970A46	①		✓	✓	✓	✓	✓	✓	✓
Silver particle filter (Ag-ion) with frame	KAF057A41	①		✓	✓	✓	✓	✓	✓	✓
Conversion wire harness	EKRS21			✓	✓	✓	✓	✓	✓	✓

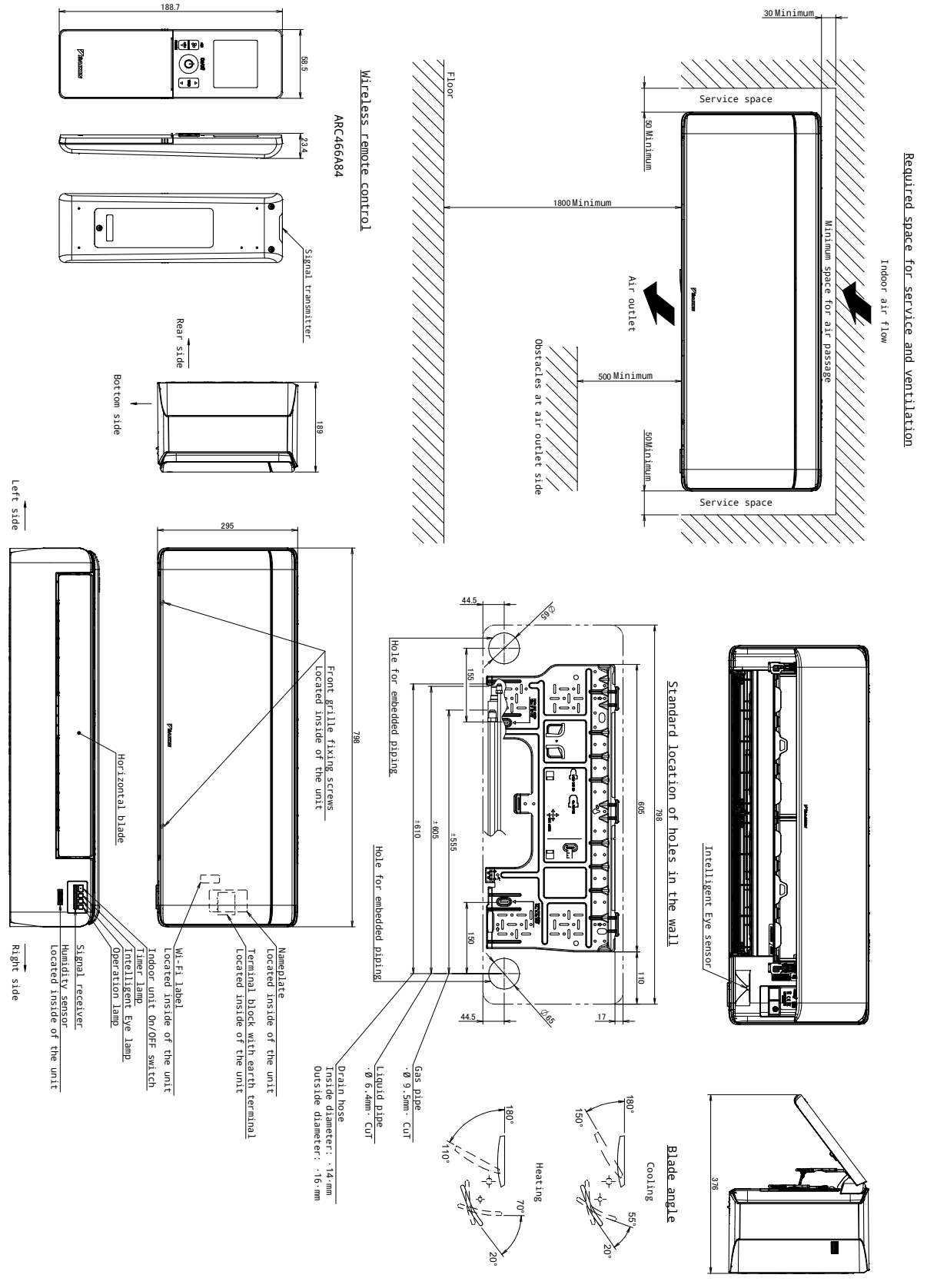
Notes
1. Standard accessory
2. This option features a(n) ·S21· connector. To connect this option to the indoor unit, therefore conversion wire harness ·EKRS21· is required.
3. This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.
   When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

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4 Dimensional drawings

4 - 1 Dimensional Drawings

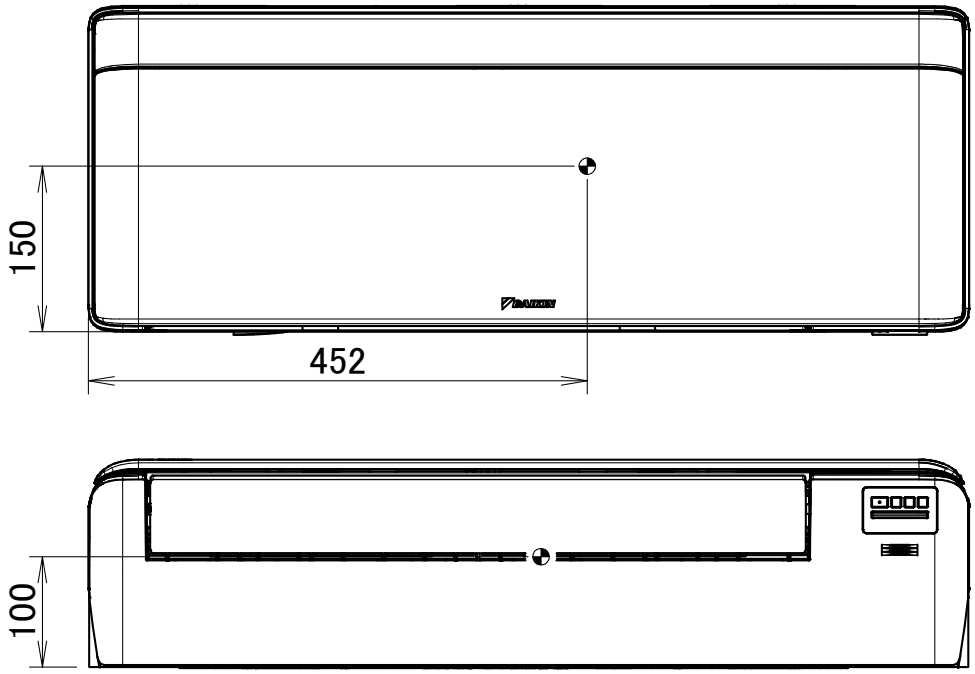
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5 Centre of gravity

5 - 1 Centre of Gravity

FTXTA-CB
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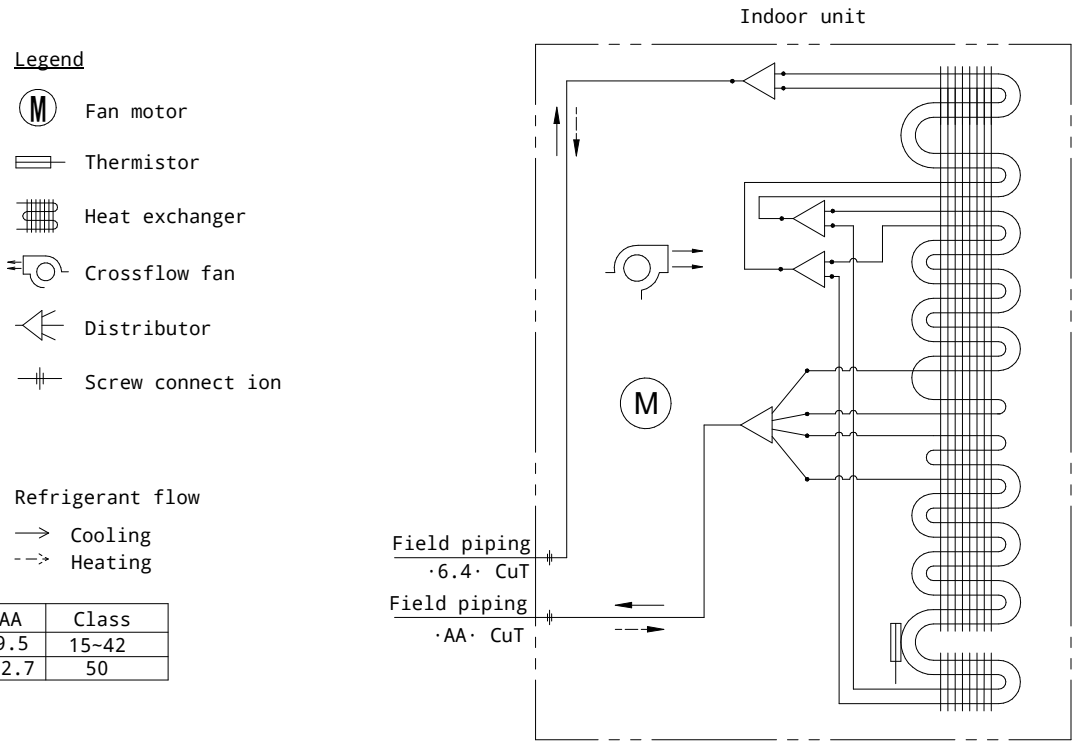


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6 Piping diagrams

6 - 1 Piping Diagrams

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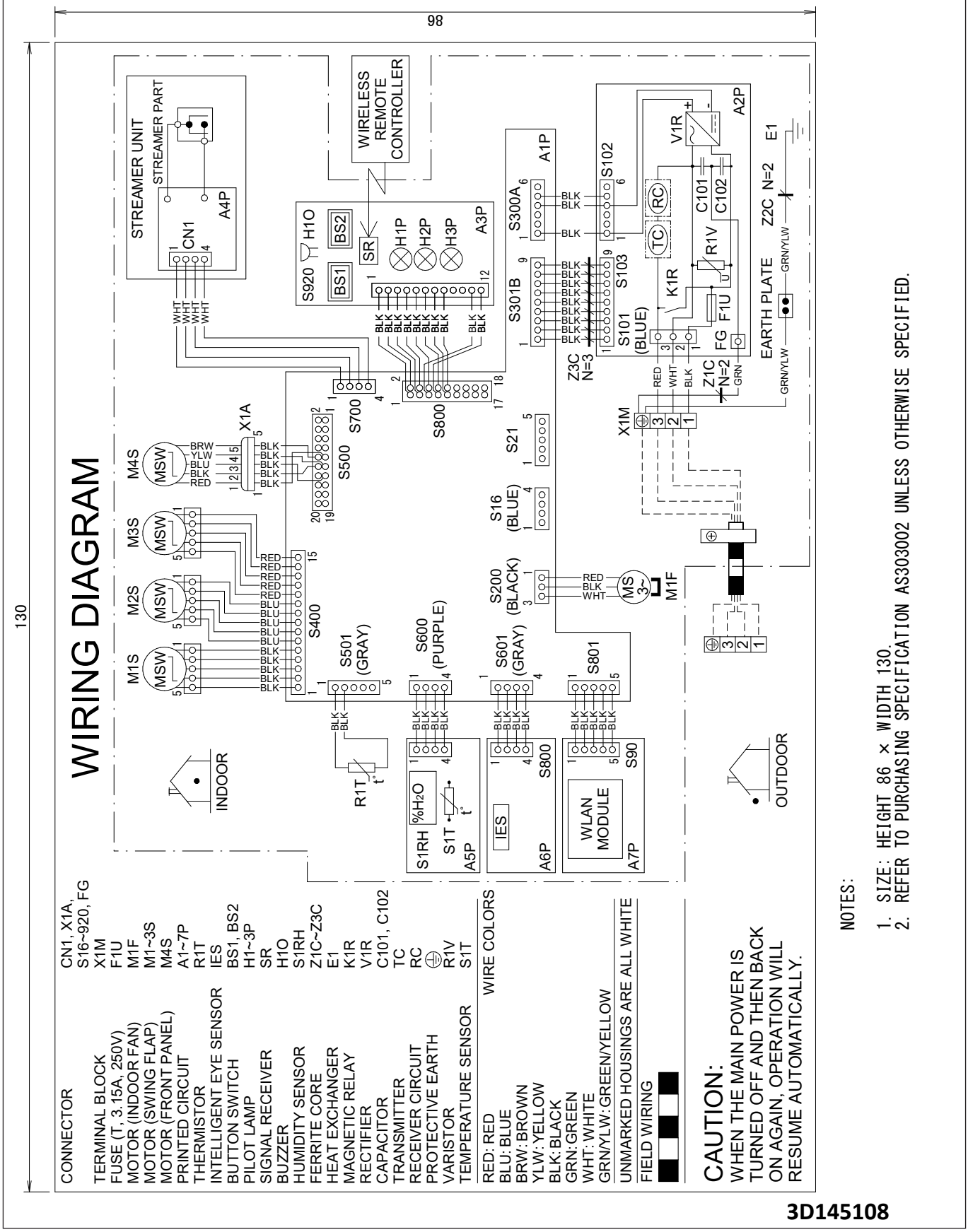
AA	Class
9.5	15~42
12.7	50

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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

FTXTA-CB
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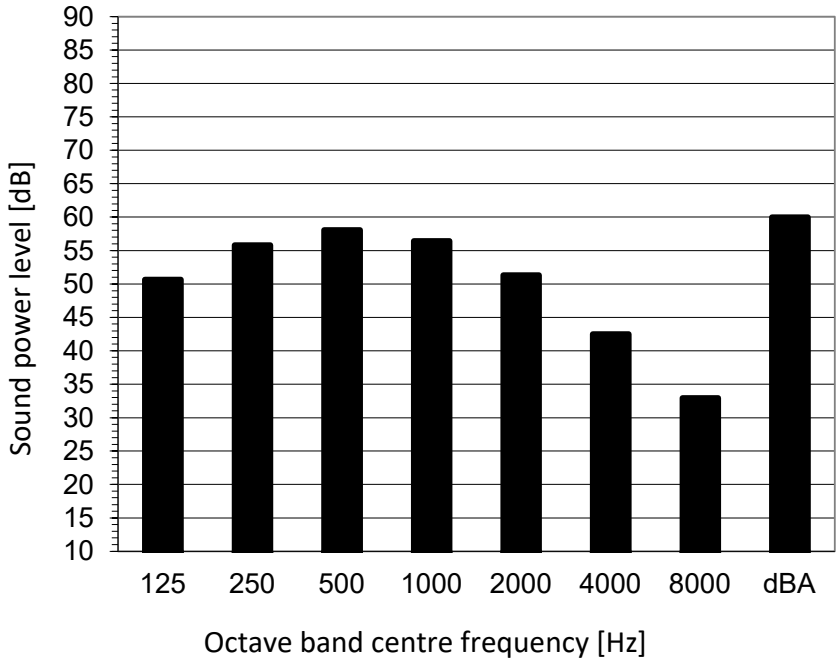
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8 Sound data

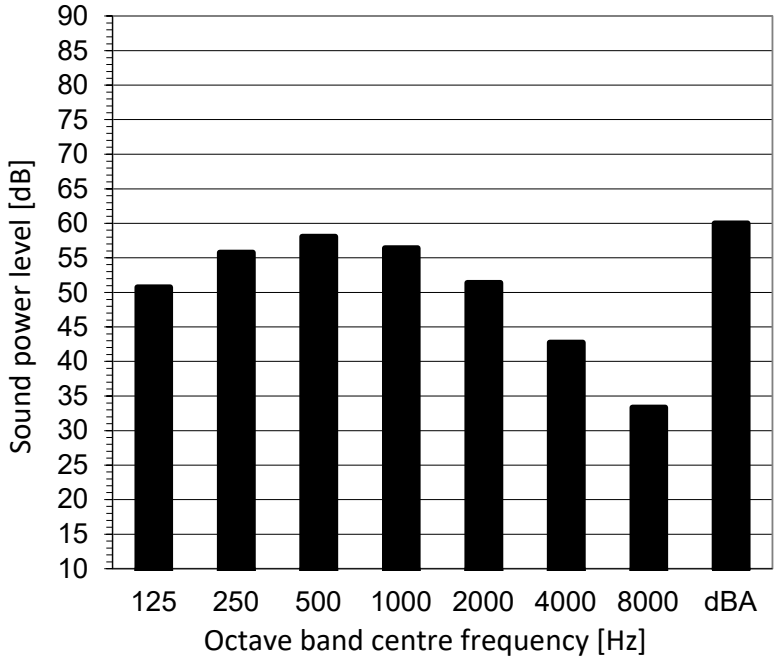
8 - 1 Sound Power Spectrum

FTXTA-CB
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Cooling mode



Heating mode



Fan speed: High

Notes

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

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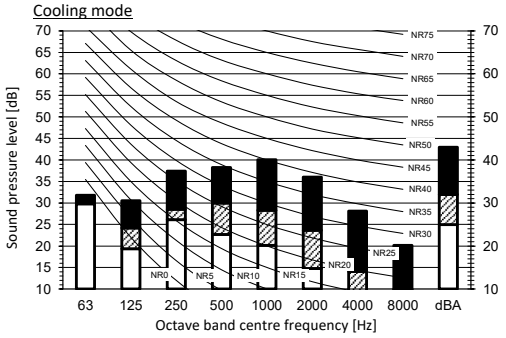
8 Sound data

8 - 2 Sound Pressure Spectrum

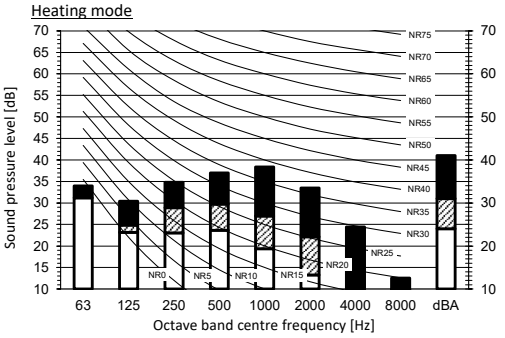
FTXTA-CB

FTXTA-CW

Cooling mode



Heating mode



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

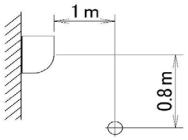
C Fan speed: Medium

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



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