

Wall mounted unit
Air Conditioning
Technical Data
FTXTM-A



FTXTM30A2V1B
FTXTM40A2V1B

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FTXTM-A

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1 Features

1 - 1 FTXTM-A

Attractive, wall mounted design with perfect indoor air quality down to -30°C

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- › Guaranteed heating operation at low ambient temperature, down to -30°C
- › With weather compensation, heating reacts to colder outside temperatures maintaining a comfortable indoor climate with no drop-off while optimising energy use
- › Comfort+: perfect comfort with homogeneous temperature throughout the room. The double flaps direct the air towards the ceiling in heating and along the wall in heating.
- › Seasonal efficiency values up to A+++ in cooling and heating
- › 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
- › 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)
- › 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- › Purifies the air of viruses, bacteria and fine dust thanks to the efficient dust filter
- › 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
- › Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- › Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › Quiet operation: down to 19dBA sound pressure level
- › 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



1 Features

1 - 1 FTXTM-A

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Guaranteed operation down to -30°C	Comfort+	Fireplace logic	Weather compensation function	Heat boost	Onecta app	Econo mode	2 area motion detection sensor	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 (5 steps)	Dry programme	Silver allergen removal and air purifying filter	Flash Streamer	Practically inaudible	Titanium apatite deodorising filter	Air filter
								
Weekly timer	24 hour timer	Infrared remote control	Wired remote control	Centralised control	Auto-restart	Self diagnosis		

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTM30A		FTXTM40A	
Power input	Cooling	Nom.	kW		0.029		0.053	
	Heating	Nom.	kW		0.024		0.06	
Casing	Colour				White			
Dimensions	Unit	Height	mm		298			
		Width	mm		804		997	
		Depth	mm		252		292	
	Packed unit	Height	mm		350		397	
		Width	mm		875		1,115	
		Depth	mm		380		377	
	Weight	Unit	kg		12		15	
Packed unit		kg		13		17		
Packing	Weight	kg		2		3		
Heat exchanger	Length	mm		622		820		
	Rows	Quantity		2				
	Fin pitch	mm		1.4				
	Face area	m²		0.214		0.281		
	Stages	Quantity		18				
	Passes	Quantity		2.4		4		
	Tube type			ø5 Hi-XB				
	Tube material			Copper				
	Tube diameter	mm		5				
	Fin	Type			ML fin (Multi louver)			
	Heat exchanger 2	Quantity			1			
		Length	mm		622		810	
Rows		Quantity		1				
Fin pitch		mm		1.4				
Face area		m²		0.094		0.124		
Stages		Quantity		8				
Heat exchanger 3	Quantity	mm		1				
	Length	mm		622		810		
	Rows	Quantity		1				
	Fin pitch	mm		1.4				
	Stages	Quantity		4				
Fan	Type			Cross flow fan				
	Air flow rate	Cooling	High	m³/min	13.2	15.1		
Fan	Air flow rate	Cooling	Medium	cfm	466	533		
				Low	m³/min	8.1	9.2	
					cfm	293	325	
	Silent operation	m³/min	5.6					
		cfm	198					
		Heating	High	m³/min	4.8			
	Medium		cfm	169	170			
			m³/min	11.7	17			
		Low	cfm	413	600			
	m³/min		7.7	10				
	cfm		272	353				
	Silent operation	m³/min	5.6	6				
		cfm	198	212				
		m³/min	4.7	5.1				
	Fan motor	Model			DFH04E1VA		MM9E17Y33VA	
Type					DC motor			
Speed		Steps			5 + silent, + auto			
		Cooling	High	rpm	1,040	1,060		
Medium			rpm	710				
Low			rpm	530	500			
Heating		Silent operation	rpm	480	430			
		High	rpm	970	1,070			
		Medium	rpm	680	750			
Sound power level		Cooling	Low	rpm	550	570		
	Silent operation		rpm	490	510			
	Heating		dBA	59	60			
Sound pressure level	Cooling	High	dBA	45	46			
		Medium	dBA	33	32			
		Low	dBA	25	24			
		Silent operation	dBA	21	20			
	Heating	High	dBA	43	46			
		Medium	dBA	31				
		Low	dBA	22				
		Silent operation	dBA	19				

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTM30A	FTXTM40A
Refrigerant	Type			R-32	
	GWP			675	
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.5	
	Drain			18	
	Heat insulation			Both liquid and gas pipes	
Air filter	Type			Removable / washable	
	Quantity			2	
Air direction control				Right, Left, Horizontal, Downward	
Temperature control				Microcomputer control	
Control systems	Infrared remote control			ARC466A83	

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Wireless remote control;Quantity: 1;

Standard accessories: Screw cover;Quantity: 2;

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

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

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

Standard accessories: Silver particle filter;Quantity: 1;

Standard accessories: Remote control holder;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Electrical specifications				FTXTM30A	FTXTM40A
Power supply	Name			V1	
	Phase			1~	
	Hz			50	
	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)	A		0.4	0.6

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

Options

Options

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FTXTM-A

Option kit	Product name	Remark New Perfera	Remark New floor stand	Remark Emura 3	Remark Zeta 5	Model	Capacity	Factory
Wired remote control	BR073A1	(2) (3)	(2) (3)	(2) (3)		FTMA02V1B	15	DKZ
Extension cord for wired remote control (3-m)	BR09V01A03					FTMA02V1B	20	R12 BMS
Extension cord for wired remote control (3-m)	BR09V01A08					FTMA02V1B	25	R12 BMS
Intelligent Tablet Controller	DCG01A51	(2) (3)	(2) (3)	(2) (3)		FTMA02V1B	35	R12 BMS
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413B815	(2) (3) (5)	(2) (3) (5)	(2) (3) (5)		FTMA02V1B	42	R12 BMS
Interface adaptor for ON-RET	KRP413B825	(2) (3)	(2) (3)	(2) (3)		FTMA02V1B	50	R12 BMS
Central remote control	DCS302A51	(2) (3)	(2) (3)	(2) (3)		FTMA02V1B	71	R12 BMS
Unified ON/OFF controller	DCS301BA51	(2) (3)	(2) (3)	(2) (3)		FTMA02V1B	20	R12 BMS
Schedule timer	DS301BA51	(2) (3)	(2) (3)	(2) (3)	(4)	FTMA02V1B	25	R12 BMS
Intelligent Touch Manager	DCM601A51	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTMA02V1B	35	R12 BMS
Modbus interface	EXM60KA7V1	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTMA02V1B	50	R12 BMS
Modbus gateway	FTD-BA	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTMA02V1B	15	R12 BMS
4DX interface	KLIC-0D	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTMA02V1B	25	R12 BMS
Titanium apatite deodorizing filter without frame	KAP970A46	(1)	(1)	(1)	(1)	FTMA02V1B	35	R12 BMS
Silver particle filter (Ag-ion) with frame	KAP057A41	(1)		(1)	(1)	FTMA02V1B	50	R12 BMS
Conversion wire harness	EKRS21					FTMA02V1B	15	DKZ

NOTES

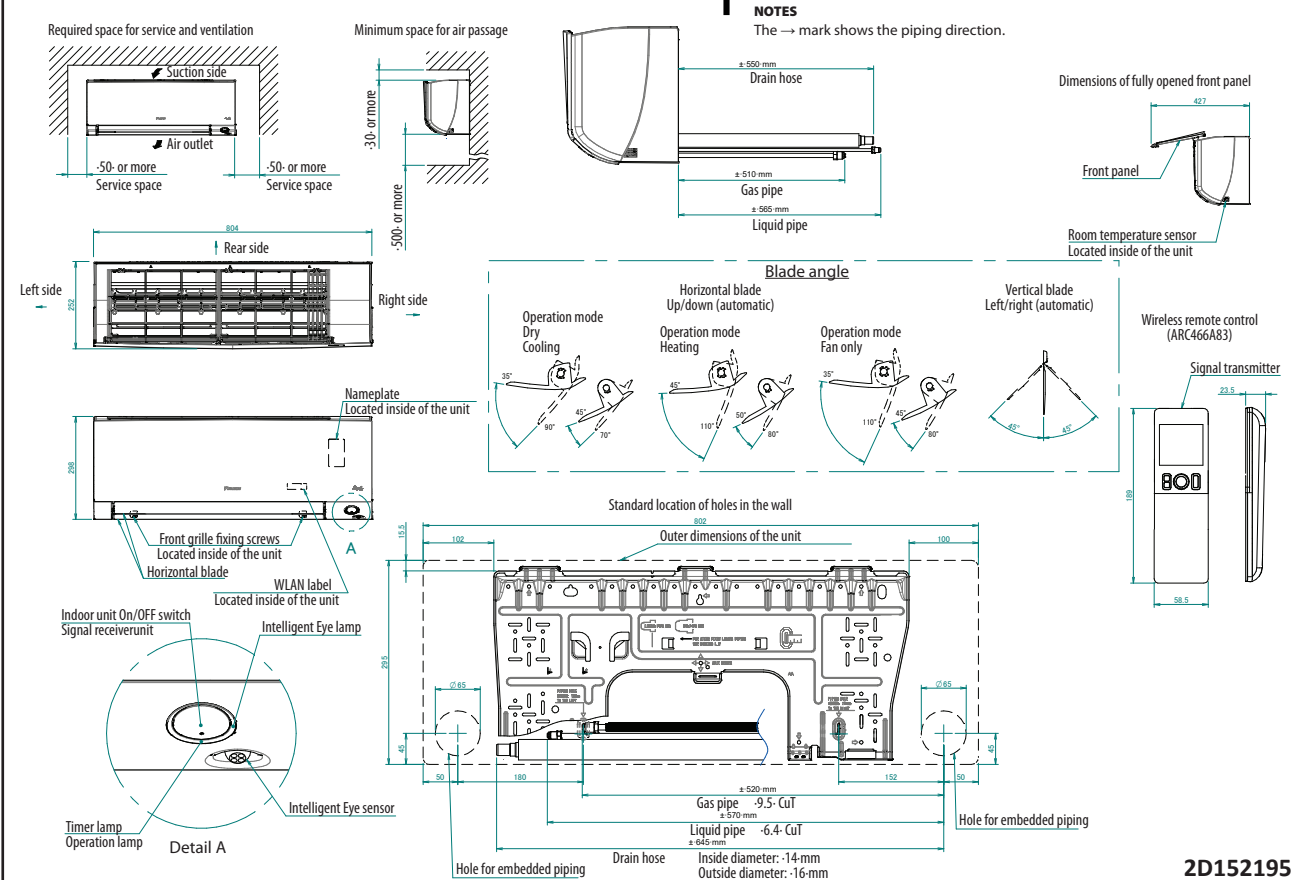
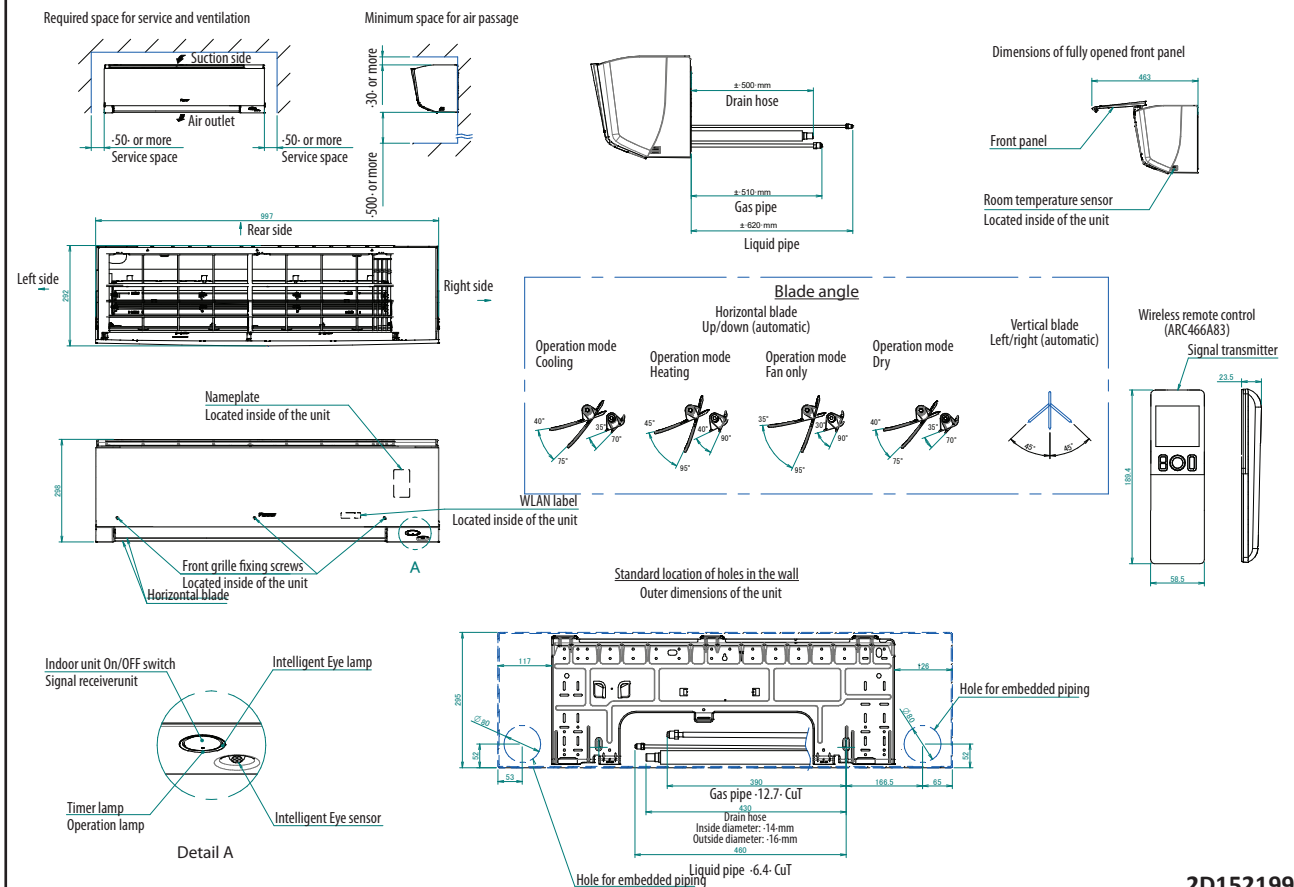
- Standard accessory
- This option features a(n) S21 connector. To connect this option to the indoor unit, therefore conversion wire harness EKRS21 is required.
- This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.
When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.
- Obsolete option.
- Production of this option finished, replaced by new option KRP413B815.

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4 Dimensional drawings

4 - 1 Dimensional Drawings

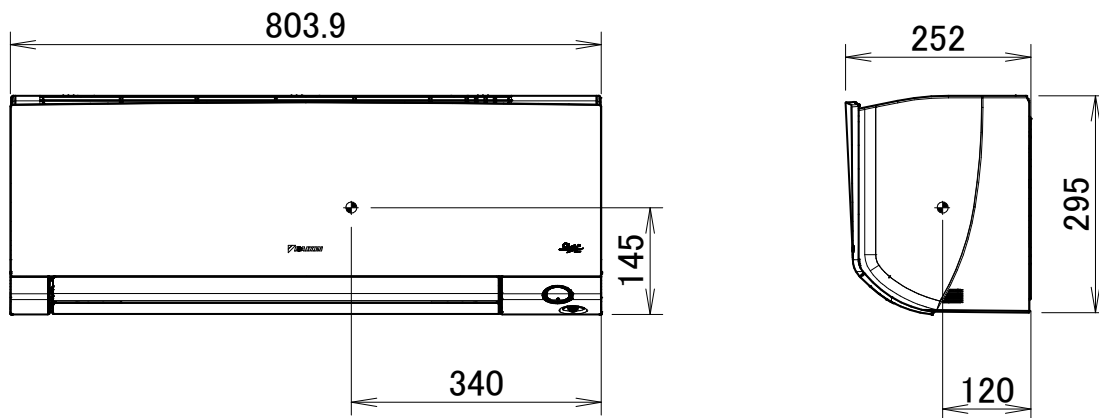
FTXTM30A**FTXTM40A**

5 Centre of gravity

5 - 1 Centre of Gravity

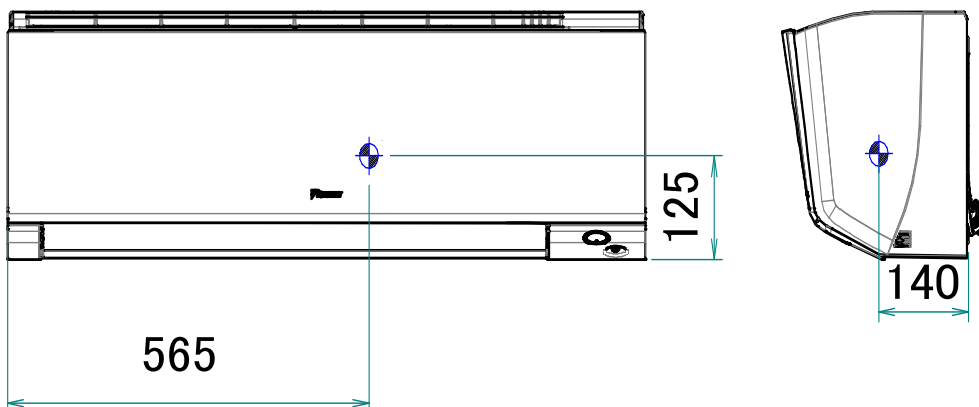
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FTXTM30A



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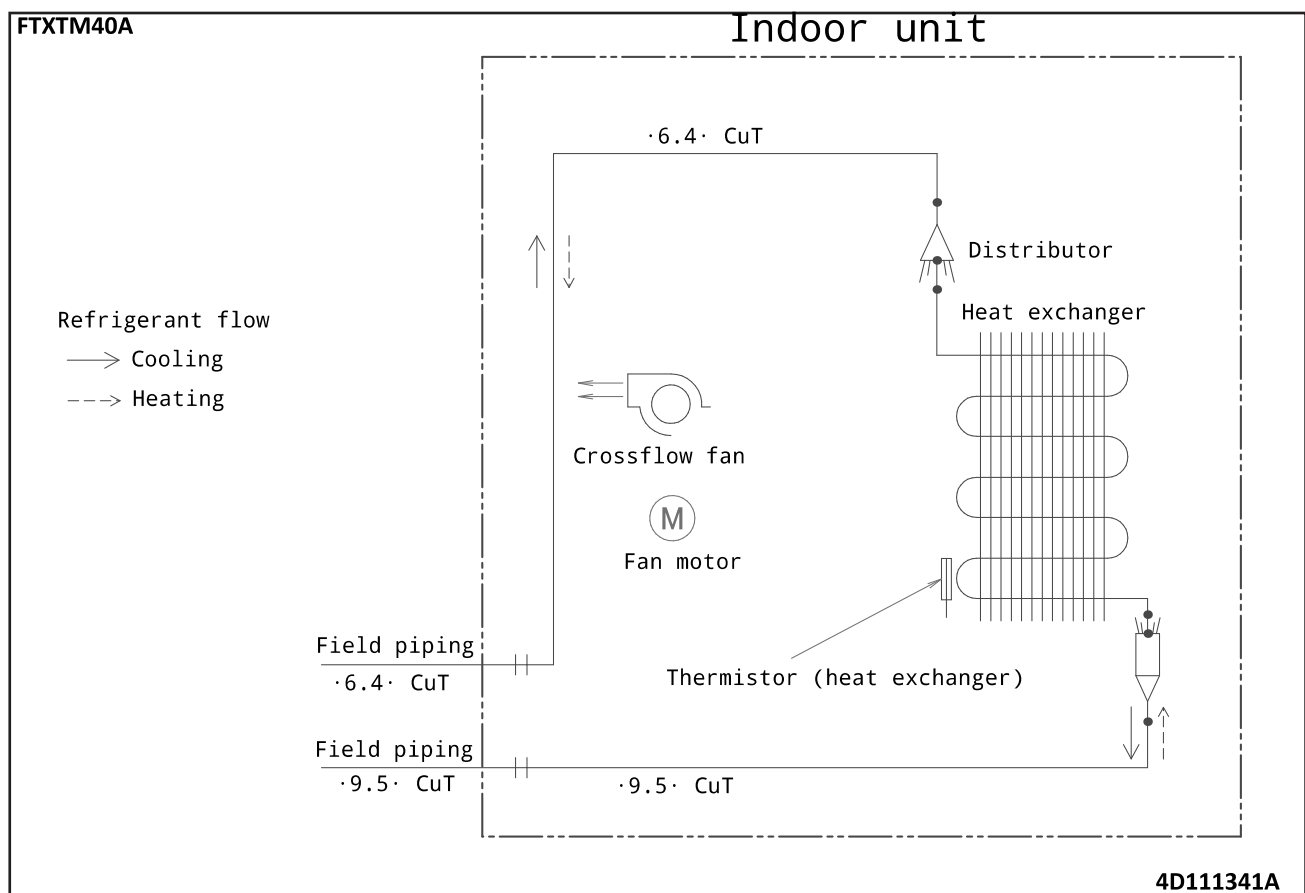
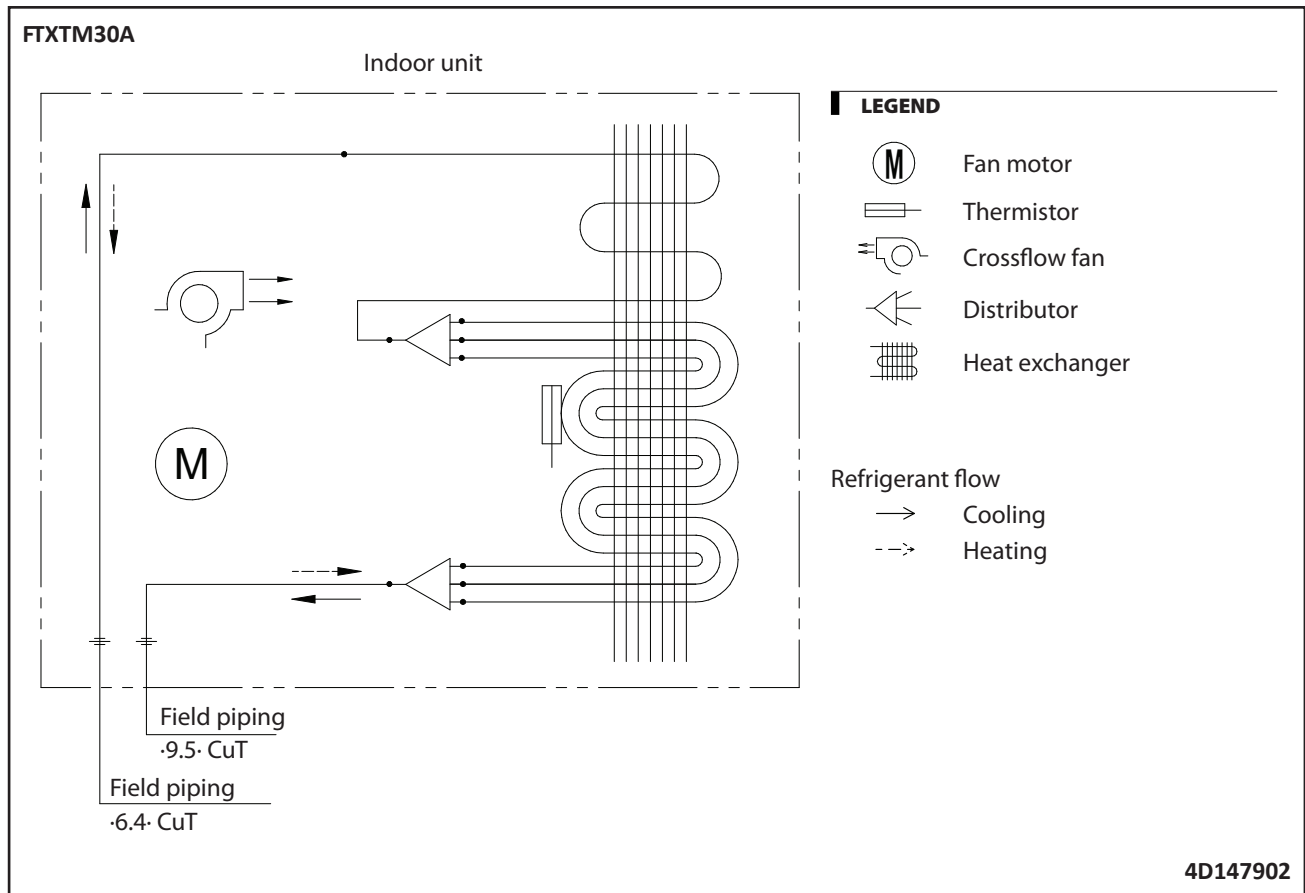
FTXTM40A



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6 Piping diagrams

6 - 1 Piping Diagrams

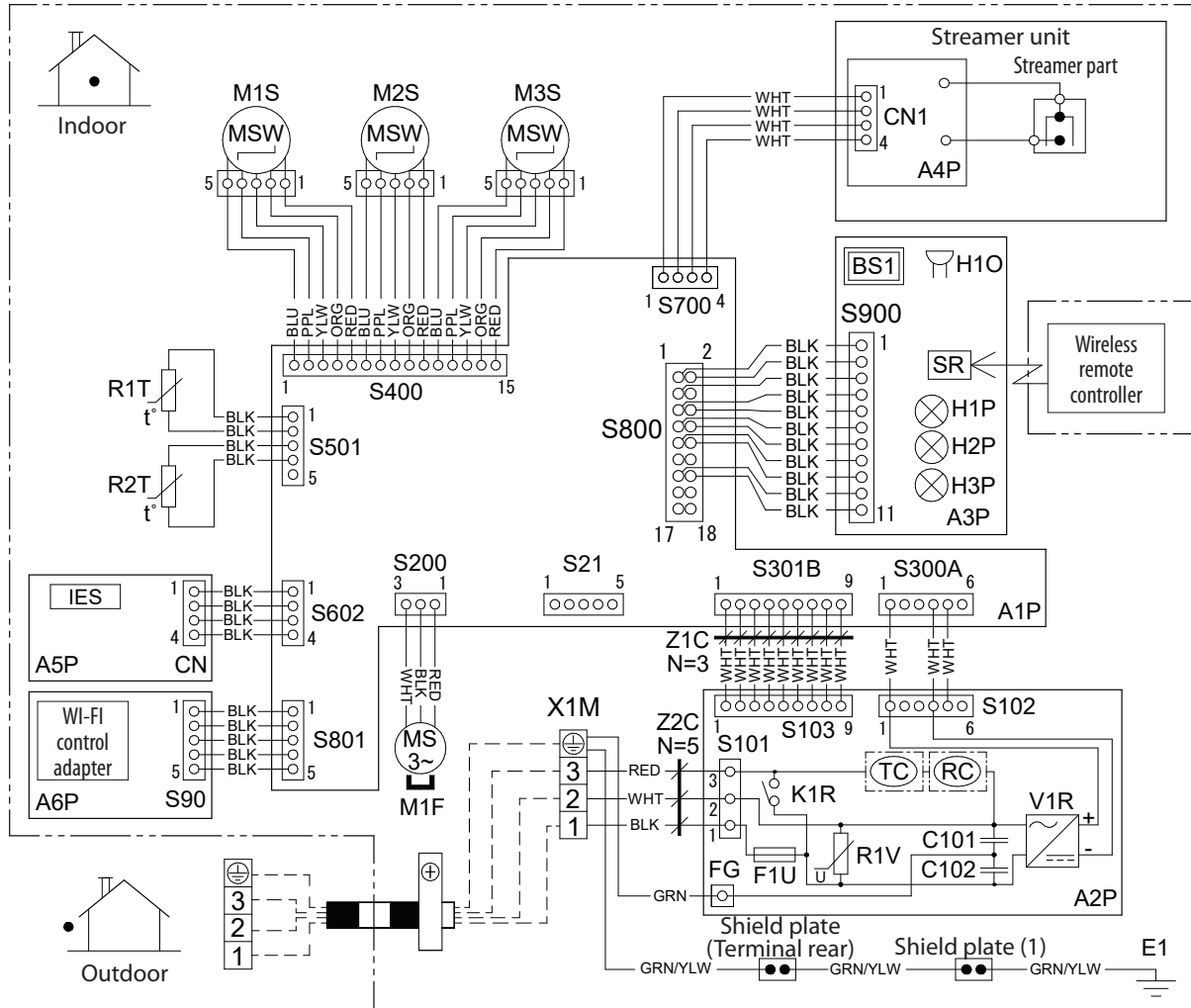


7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

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FTXTM30A



CN, CN1, S16~801	Connector
FG	Terminal
X1M	Terminal block
F1U	Fuse (T, 3.15A, 250V)
M1F	Motor (indoor fan)
M1~3S	Motor (swing flap)
A1~6P	Printed circuit board
R1T, R2T	Thermistor
IES	Intelligent eye sensor
BS1	Button switch
H1~3P	Pilot lamp
SR	Signal receiver
H1O	Buzzer
Z1~2C	Ferrite core
E1	Heat exchanger
K1R	Magnetic relay
V1R	Rectifier
C101, C102	Capacitor
TC	Transmitter circuit
RC	Receiver circuit
⊕	Protective earth
R1V	Varistor

WIRE COLORS

BLK	: Black	ORG	: Orange
YLW	: Yellow	WHT	: White
RED	: Red	GRN	: Green
BLU	: Blue	PPL	: Purple
GRN/YLW	: Green/Yellow		

Field wiring

CAUTION

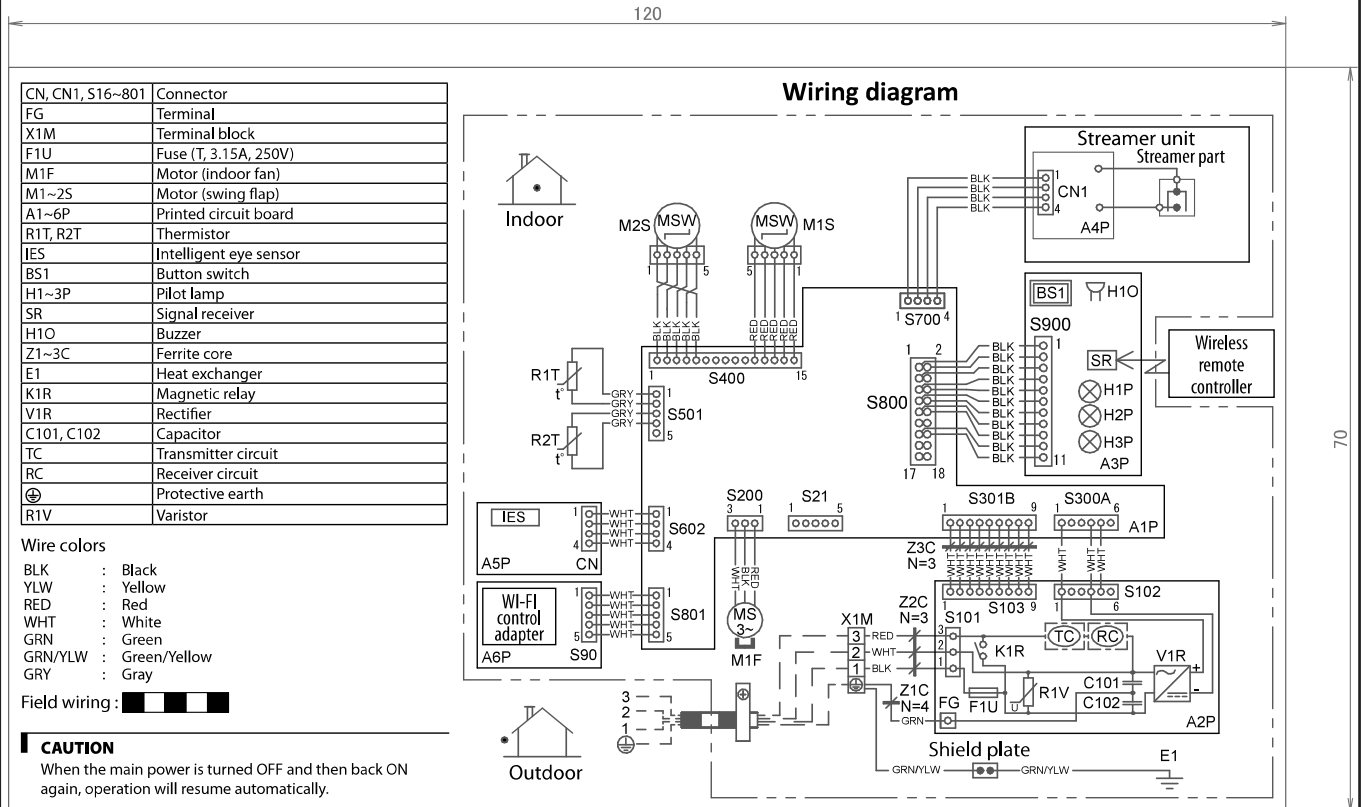
When the main power is turned off and then back on again, operation will resume automatically.

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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

FTXTM40A



NOTES

- Size: height 70 x width 120.
- Refer to purchasing specification AS303002 unless otherwise specified.

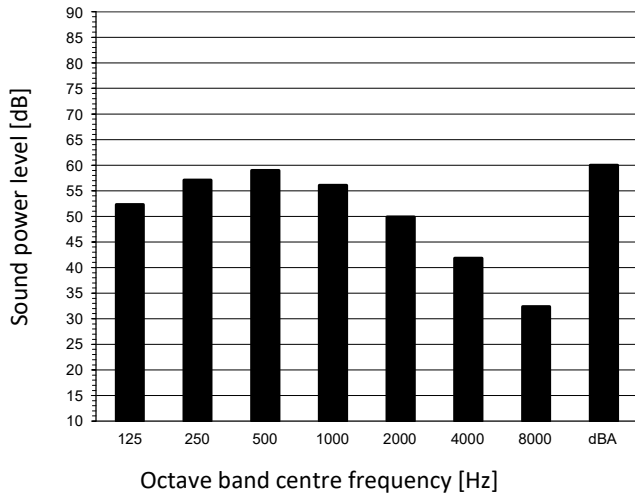
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8 Sound data

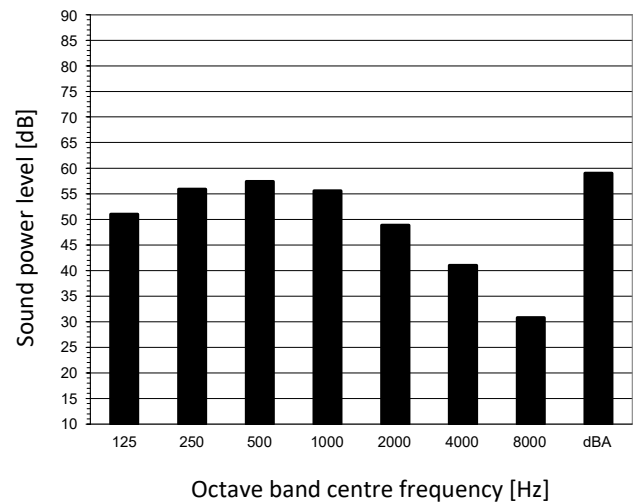
8 - 1 Sound Power Spectrum

FTXTM30A

Cooling



Heating



Notes

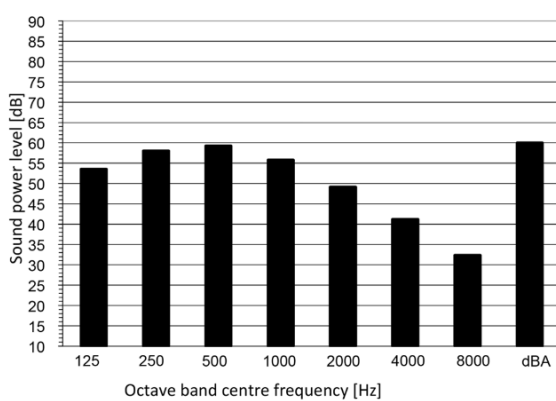
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity 0dB = 10^{-12} W/m².
3. Measured according to ISO 3744

■ Fan speed: High

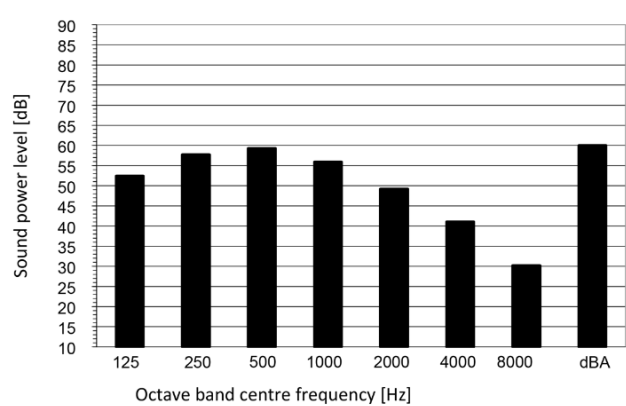
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FTXTM40A

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 = 10^{-12} W/m²
3. Measured according to ISO 3744

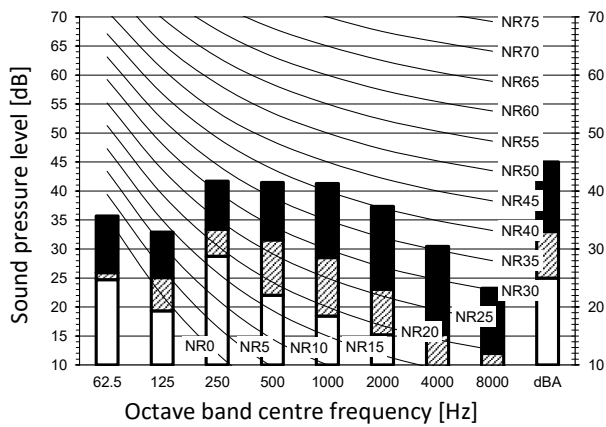
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8 Sound data

8 - 2 Sound Pressure Spectrum

FTXTM30A

Cooling mode

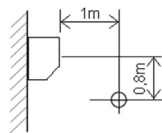


Legend

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

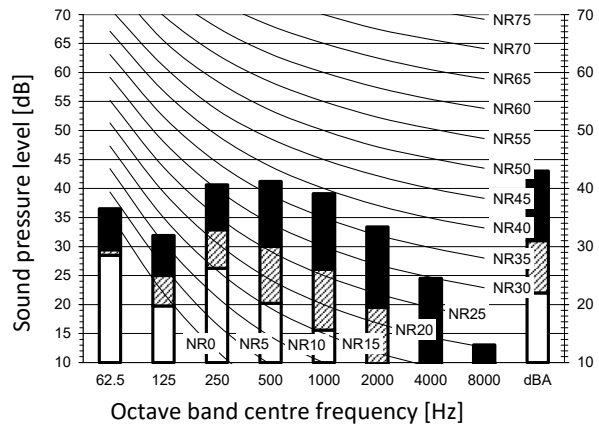
Location of microphone



Cooling		Total dB	
A	B	C	D
dBa	45.0	33.0	25.0

Heating		Total dB	
A	B	C	D
dBa	43.0	31.0	22.0

Heating mode



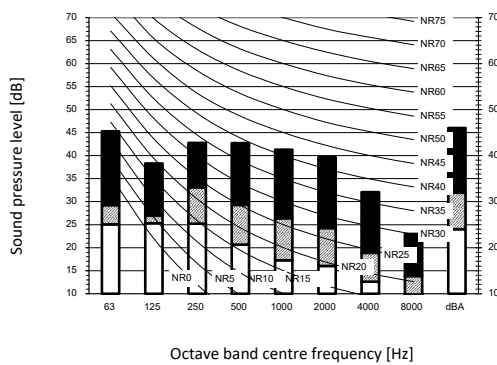
Notes

- 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

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FTXTM40A

Cooling mode



Cooling
Total dB

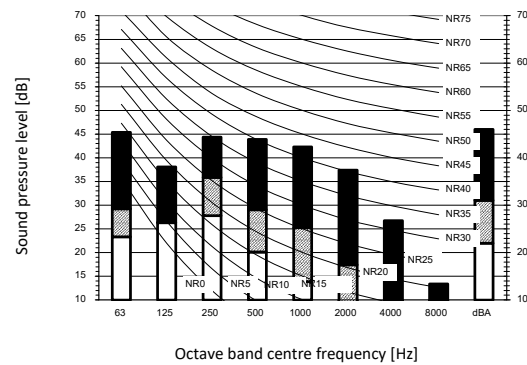
A	B	C	D
dBA	46	32	24

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

Heating mode



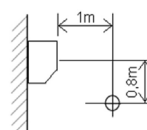
Heating
Total dB

A	B	C	D
dBA	46	31	22

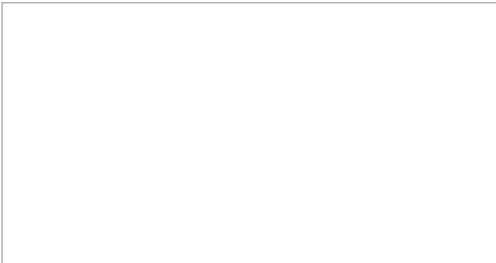
Notes

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

Location of microphone



4D147912



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08/2024



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