

Wall mounted unit
Air Conditioning
Technical Data
FTXTM-S



FTXTM30S2V1B
FTXTM40S2V1B

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FTXTM-S

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1 Features




























1 - 1 FTXTM-S

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

1

- › Guaranteed heating capacity 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
- › 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)
- › 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
- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › 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
- › 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
- › Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- › 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
- › 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.



								
Fireplace logic	Heat boost	Guaranteed operation down to -30°C	Weather compensation function	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

1 Features

1 - 1 FTXTM-S



24 hour timer



Infrared
remote control



Wired remote
control



Centralised
control



Auto-restart



Self diagnosis

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTM30S		FTXTM40S		
Power input	Cooling	Nom.	kW	0.035		0.053		
	Heating	Nom.	kW	0.039		0.060		
Casing	Colour			White				
Dimensions	Unit	Height	mm	295		299		
		Width	mm	778		998		
		Depth	mm	272		292		
	Packed unit	Height	mm	350		397		
		Width	mm	865		1,115		
		Depth	mm	375		377		
Weight	Unit	kg		10		15		
	Packed unit	kg		12		17		
Packing	Weight	kg		2				
Heat exchanger	Length			610		820		
	Rows	Quantity		2				
	Fin pitch			1.40				
	Stages	Quantity		18				
	Passes	Quantity		3.0		4.0		
	Tube type			ø5 Hi-XB				
	Fin	Type		ML fin (Multi louver)				
	Heat exchanger 2	Length			600		810	
Rows		Quantity		1				
Fin pitch			1.40					
Stages		Quantity		8				
Heat exchanger 3	Length			600		810		
	Rows	Quantity		1				
	Fin pitch			1.40				
	Stages	Quantity		4				
Fan	Type			Cross flow fan				
	Air flow rate	Cooling	High	m ³ /min	11.5		15.1	
				cfm	406		533	
			Medium	m ³ /min	7.5		9.2	
				cfm	265		325	
			Low	m ³ /min	5.2		5.6	
				cfm	184		198	
			Silent operation	m ³ /min	4.2		4.8	
				cfm	148		170	
	Fan	Air flow rate	Heating	High	m ³ /min	11.6		17.0
cfm					410		600	
			Medium	m ³ /min	7.3		10.0	
				cfm	258		353	
			Low	m ³ /min	4.7		6.0	
				cfm	166		212	
			Silent operation	m ³ /min	4.0		5.1	
				cfm	141		180	
Fan motor		Model			MM6K11Y32VA		MM9E17Y33VA	
		Type			DC motor			
	Speed			5 + silent, + auto				
	Cooling	High	rpm	1,200		1,060		
			rpm	840		710		
			rpm	630		500		
			rpm	530		430		
	Heating	High	rpm	1,210		1,070		
			rpm	850		750		
			rpm	640		570		
rpm			570		510			
Sound power level	Cooling	dBA		60.0				
	Heating	dBA		60.0				
Sound pressure level	Cooling	High	dBA	45.0		46.0		
		Medium	dBA	33.0		32.0		
		Low	dBA	25.0		24.0		
		Silent operation	dBA	21.0		20.0		
	Heating	High	dBA	45.0		46.0		
		Medium	dBA			31.0		
		Low	dBA			22.0		
		Silent operation	dBA			19.0		
Refrigerant	Type			R-32				
	GWP			675.0				
Heat exchanger 3	Quantity			1				
Piping connections	Liquid	OD		6.35				
	Gas	OD		9.50				
	Drain			18				
	Heat insulation			Both liquid and gas pipes				

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTM30S		FTXTM40S	
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		ARC466A83			
		Wired remote control		BRC073A1			

Standard accessories: Installation 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: Silver particle filter;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Standard accessories: General safety precautions;Quantity: 1;

Electrical specifications				FTXTM30S		FTXTM40S	
Power supply		Phase		1~			
		Frequency		Hz			
				50			
		Voltage		V			
				220-240			
Wiring connections		For power supply		Quantity			
-50Hz				3			
		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)			
Current		Nominal running current		Cooling		A	
		(RLA)		0.30		0.60	

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

FTXTM-S

Option kit	Product name	Remark New Perfera	Remark New floor stand	Remark Emura 3	Remark Zeta S	Applicable models																				
						Class	Gating	Factory	A-MID	Zeta																
						30	R32 BMS	D1Cz	OHS Perfera	D1Cz	OHS Emura 3	D1Cz	OHS Emura 3	OHS New floor standing	D1Cz	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	A2-D1Cz AS-DTAS	
Wired remote control	BRC073A1	②③	②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (3-m)	BRCW901A03					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (8-m)	BRCW901A08					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Tablet Controller	DCC601A51	②③	②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP9288B2S		②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Central remote control	DCS302CA51	②③	②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51	②③	②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schedule timer	DST301BA51	②③	②③	②③	④	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Touch Manager	DCM601A5A	②③	②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modbus interface	EKM8DXA7V1	②③	②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modbus gateway	RTD-RA	②③	②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KNX interface	KLIC-DD	②③	②③	②③	②③	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Titanium apatite deodorising filter without frame	KAF970A46	①	①	①	①	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Silver particle filter (Ag-ion) with frame	KAF057A41	①		①	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.
- Obsolete option

3D120481H

4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXTM30S

The mark shows the piping direction.

Front grille fixing screws

Terminal block with earth terminal
Located inside of the unit

Left side Right side Rear side Bottom side

Required space for service and ventilation

Indoor air flow

Minimum space for air passage

Service space 20 Minimum

50 Minimum Air outlet 50 Minimum

Flap

Nameplate
Located inside of the unit

Signal receiver
Intelligent Eye sensor

Operation lamp
Timer lamp
Intelligent Eye lamp
Indoor unit On/OFF switch
Room temperature sensor
Located inside of the unit

Gas pipe
•Ø9.5 Cut
The length of the pipe outside the unit is 530 mm.

Liquid pipe
•Ø6.4 Cut
The length of the pipe outside the unit is 590 mm.

Drain hose
Inside diameter: 14 mm
Outside diameter: 16 mm
The length of the connection hose outside the unit is 630 mm.

Blade angle

Up/down (automatic) Left/right (automatic)

Cooling Heating

Fan Dry

Wireless remote control
ARC466A75

Signal transmitter

Standard location of holes in the wall

Hole for embedded piping

Hole for embedded piping

2D134806

FTXTM40S

The mark shows the piping direction.

Front grille fixing screws

Terminal block with earth terminal
Located inside of the unit

Left side Right side Rear side Bottom side

Required space for service and ventilation

Indoor air flow

Minimum space for air passage

Service space 20 Minimum

50 Minimum Air outlet 50 Minimum

Flap

Nameplate
Located inside of the unit

Signal receiver
Intelligent Eye sensor

Operation lamp
Timer lamp
Intelligent Eye lamp
Indoor unit On/OFF switch
Room temperature sensor
Located inside of the unit

Gas pipe
•Ø9.5 Cut
The length of the pipe outside the unit is 560 mm.

Liquid pipe
•Ø6.4 Cut
The length of the pipe outside the unit is 620 mm.

Drain hose
Inside diameter: 14 mm
Outside diameter: 16 mm
The length of the connection hose outside the unit is 600 mm.

Blade angle

Up/down (automatic) Left/right (automatic)

Cooling Heating

Fan Dry

Wireless remote control
ARC466A75

Signal transmitter

Standard location of holes in the wall

Hole for embedded piping

Hole for embedded piping

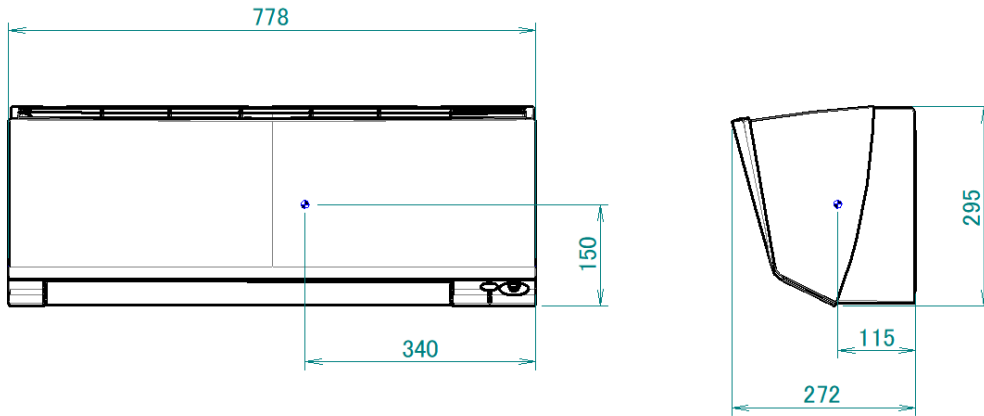
2D134807

5 Centre of gravity

5 - 1 Centre of Gravity

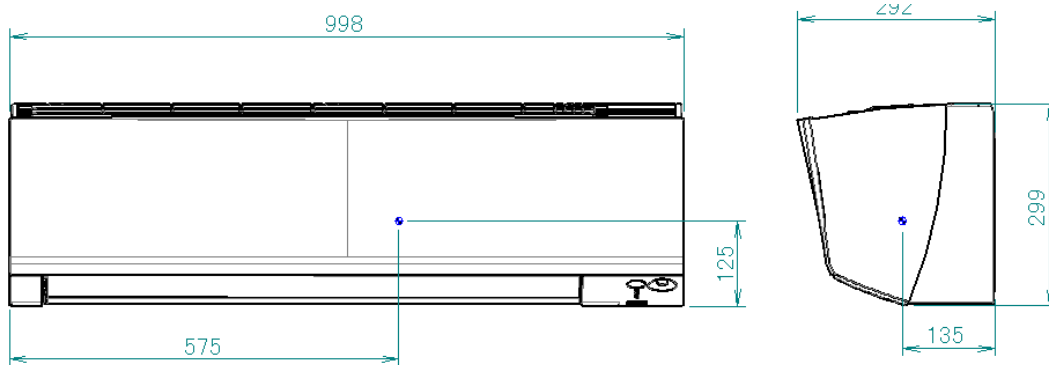
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FTXTM30S



4D134849

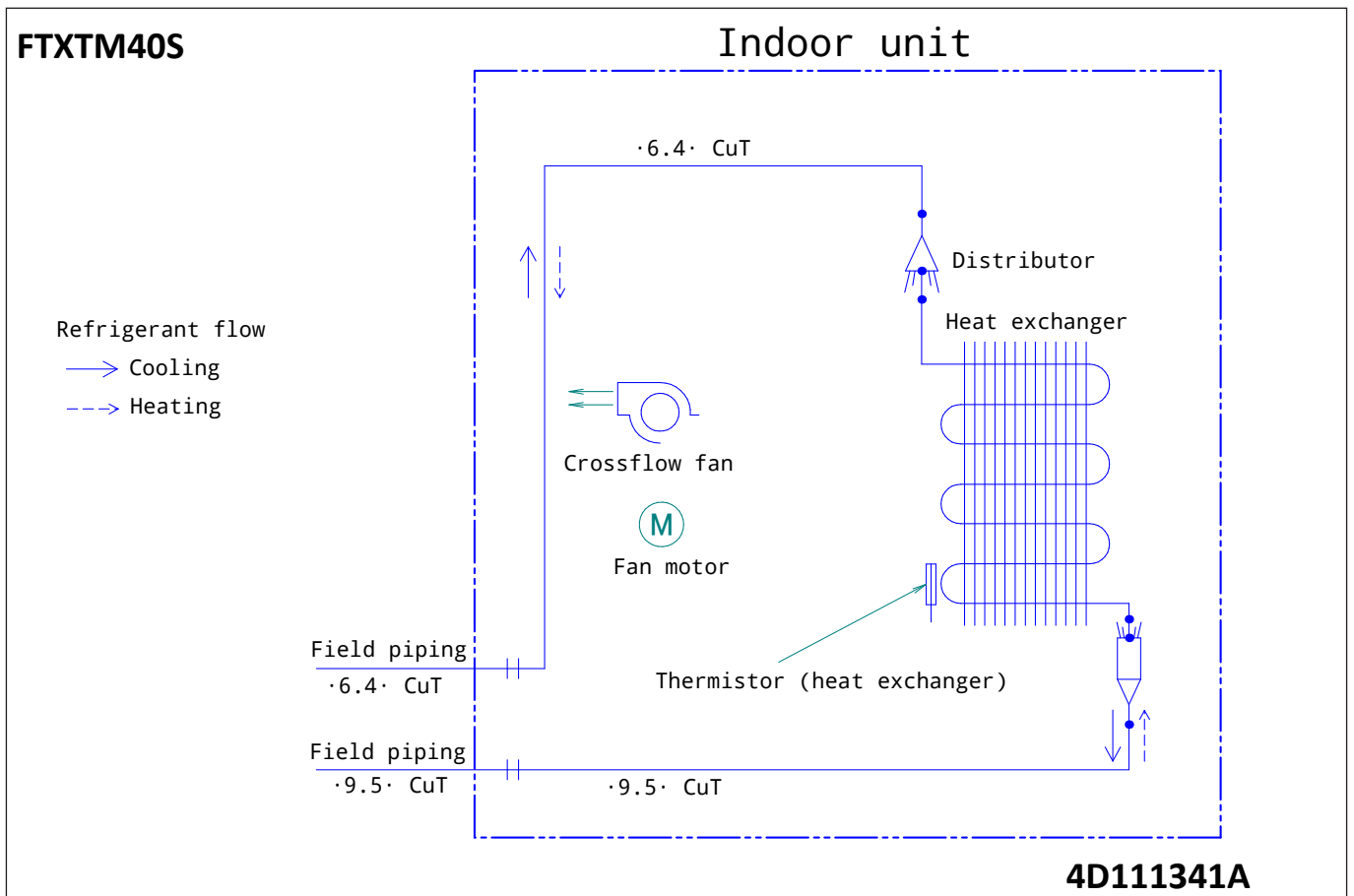
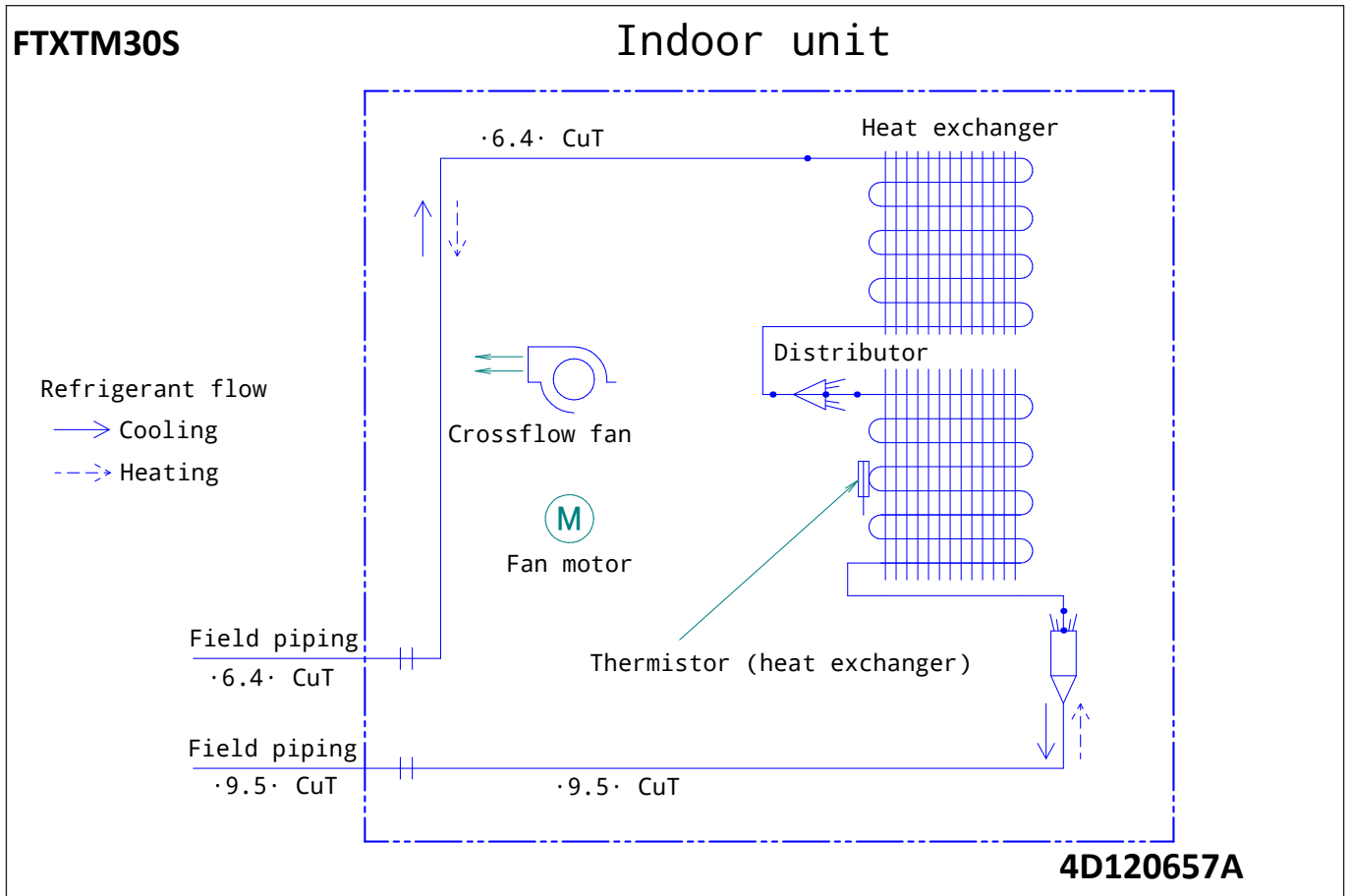
FTXTM40S



4D134851

6 Piping diagrams

6 - 1 Piping Diagrams

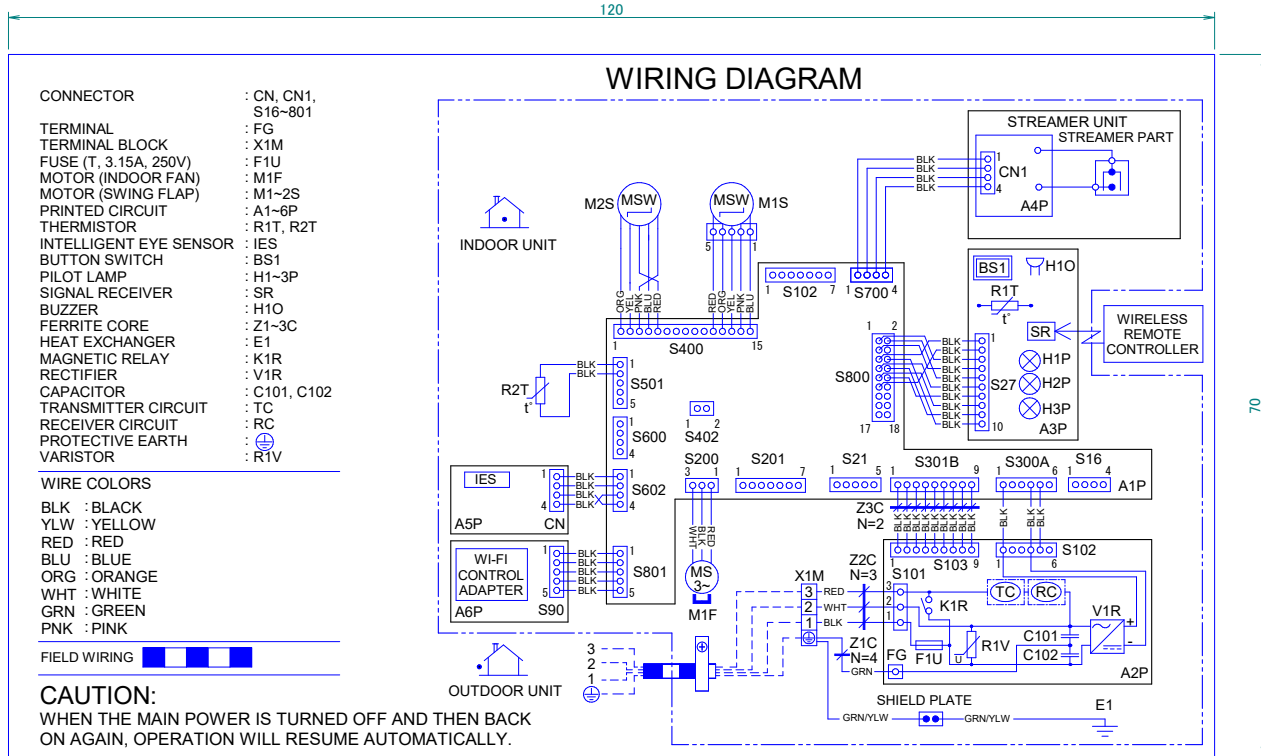


7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

7

FTXTM30S

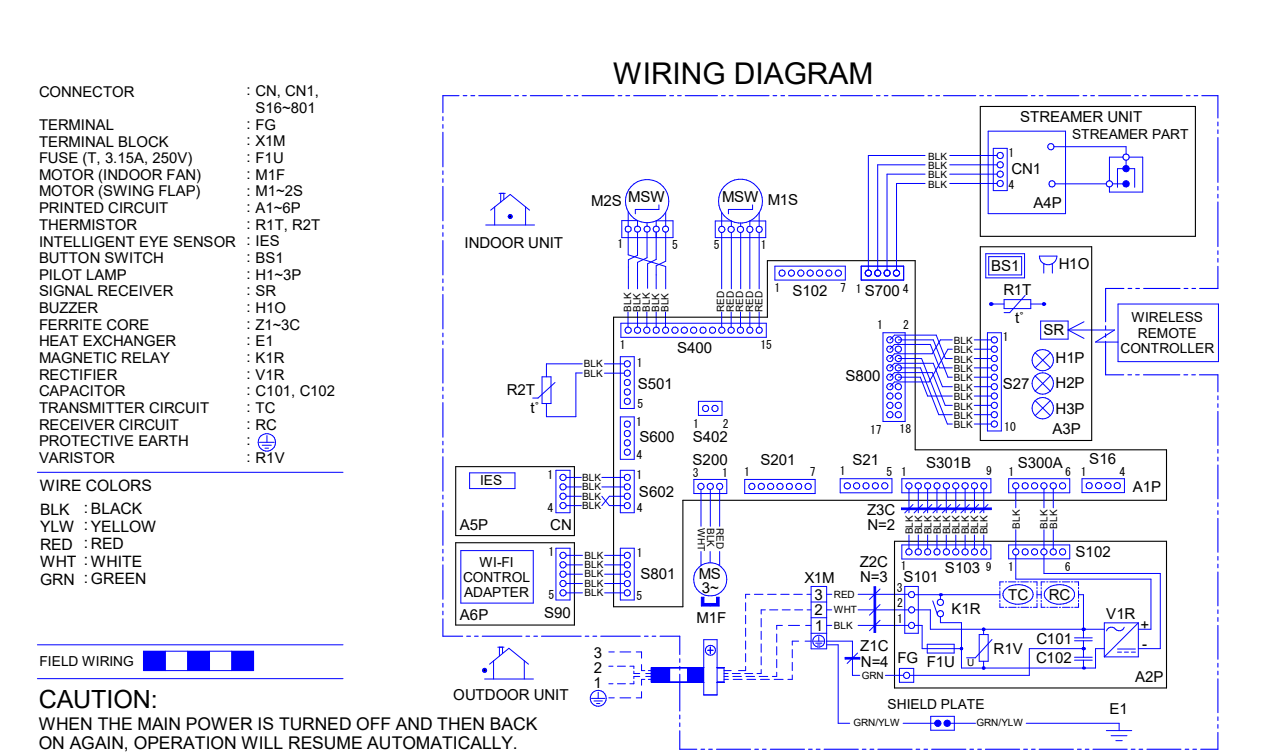


NOTES:

1. SIZE: HEIGHT 70 × WIDTH 120.
2. REFER TO PURCHASING SPECIFICATION AS303002 UNLESS OTHERWISE SPECIFIED.

3D128856A

FTXTM40S



NOTES:

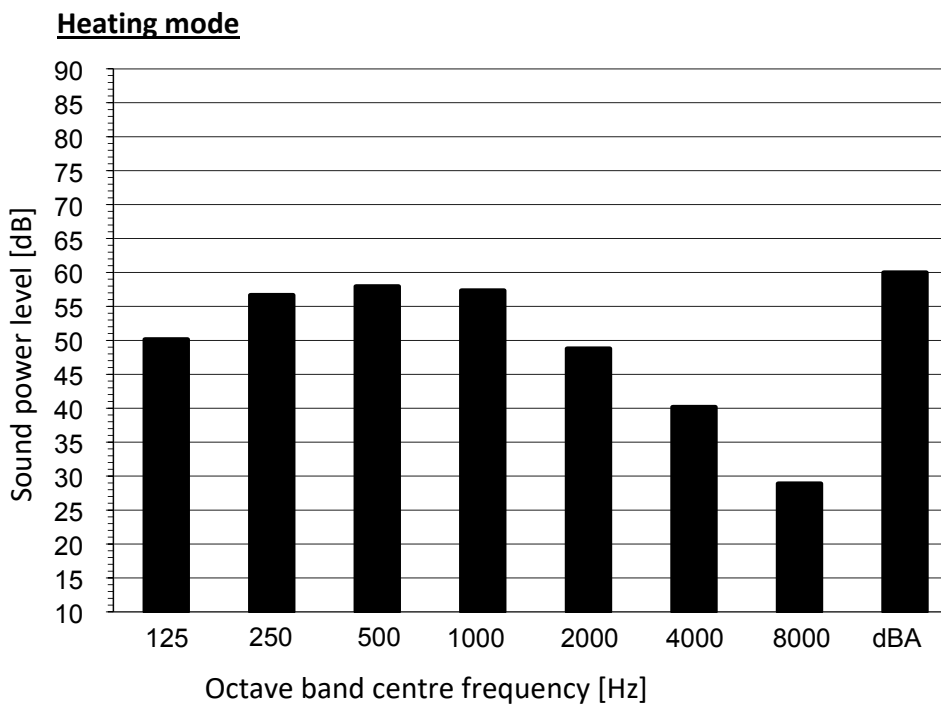
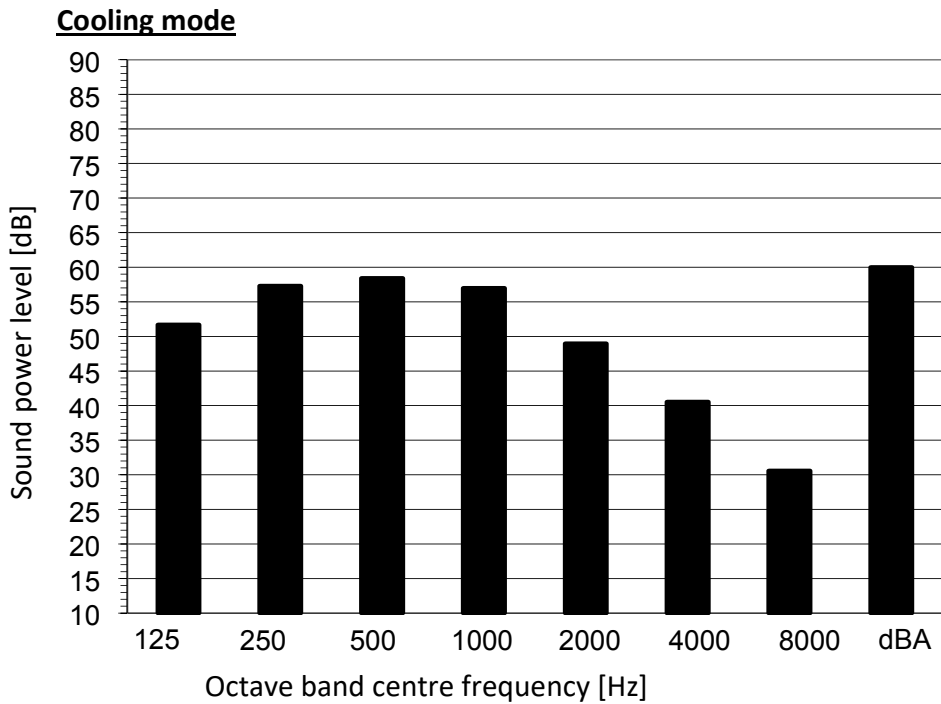
1. SIZE: HEIGHT 70 × WIDTH 120.
2. REFER TO PURCHASING SPECIFICATION AS303002 UNLESS OTHERWISE SPECIFIED.

3D130931

8 Sound data

8 - 1 Sound Power Spectrum

FTXTM30S



■ 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

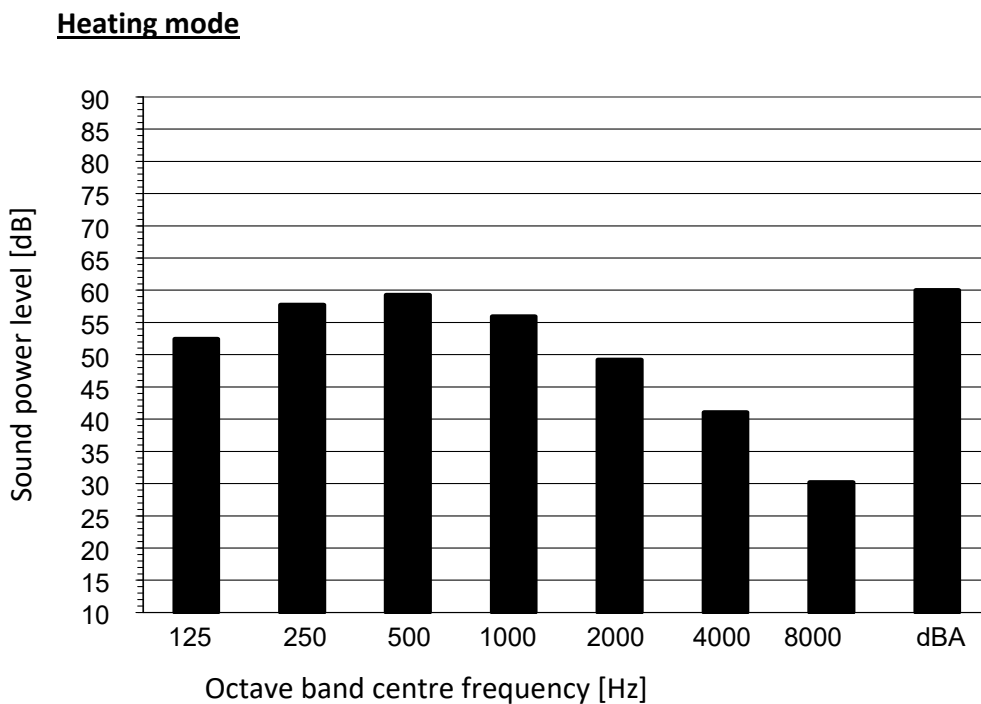
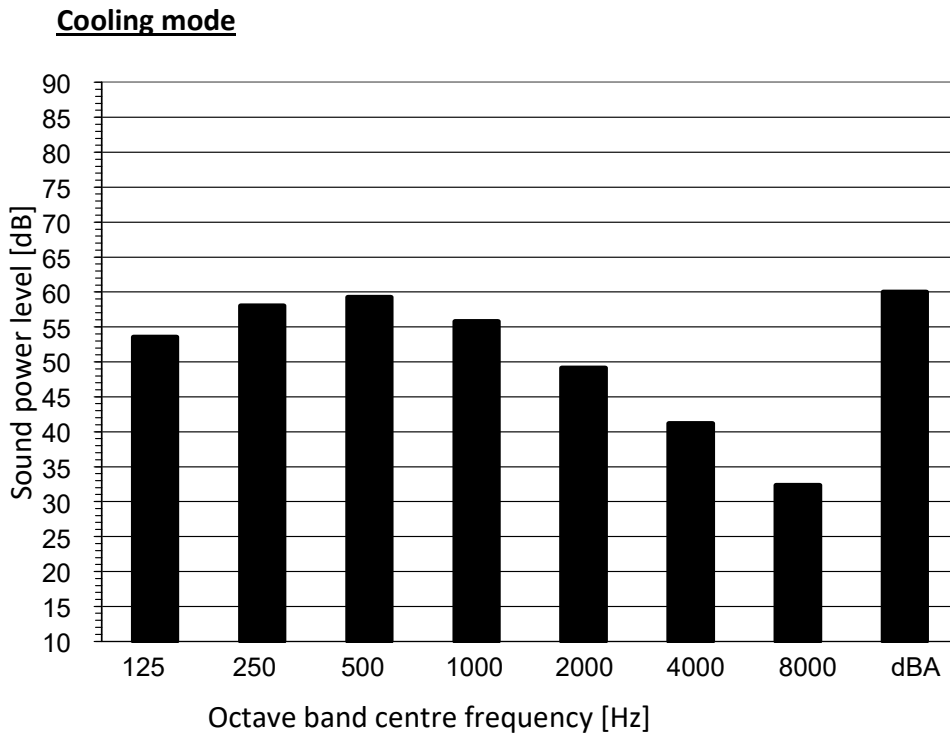
4D147907

8 Sound data

8 - 1 Sound Power Spectrum

8

FTXTM40S



■ 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

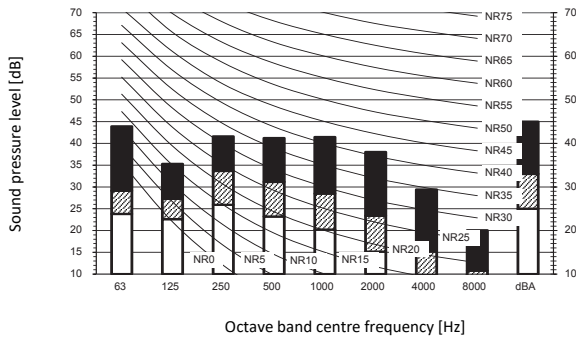
4D147911

8 Sound data

8 - 2 Sound Pressure Spectrum

FTXTM30S

Cooling mode



Cooling Total dB

A	B	C	D
dBA	45	33	25

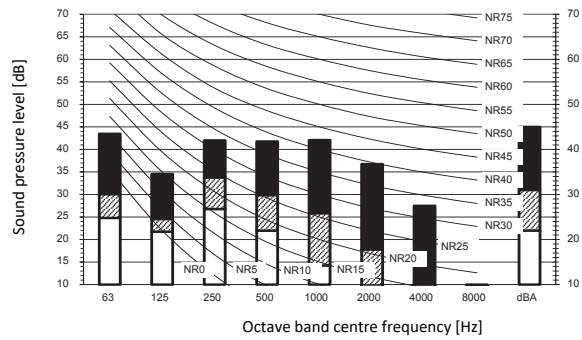
Legend

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



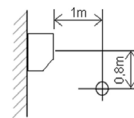
Heating Total dB

A	B	C	D
dBA	45	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

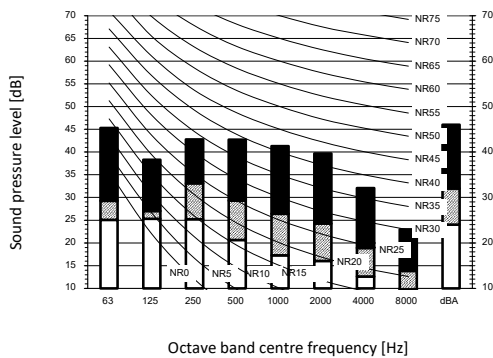
Location of microphone



4D147908

FTXTM40S

Cooling mode



Cooling Total dB

A	B	C	D
dBA	46	32	24

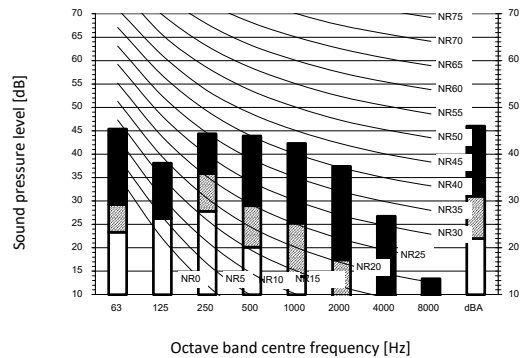
Legend

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



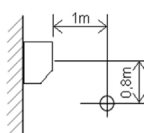
Heating Total dB

A	B	C	D
dBA	46	31	22

Notes

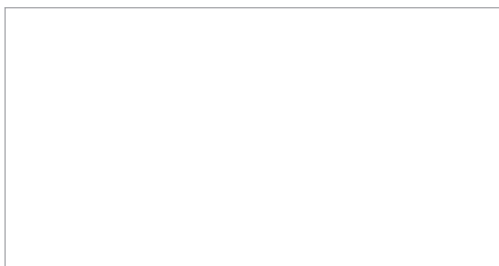
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

Location of microphone



4D147912

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EEEN23



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