



Wall mounted unit
Air Conditioning
Technical Data
FTXTJ-AB



FTXTJ30A2V1BB

TABLE OF CONTENTS

FTXTJ-AB

1	Features	4
	FTXTJ-AB	4
2	Specifications	6
3	Options	8
4	Dimensional drawings	9
5	Centre of gravity	10
6	Piping diagrams	11
7	Wiring diagrams	12
	Wiring Diagrams - Three Phase	12
8	Sound data	13
	Sound Power Spectrum	13
	Sound Pressure Spectrum	14

1 Features



















1 - 1 FTXTJ-AB

Design that speaks for itself, even at ambient temperatures down to -30°C

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- › Guaranteed heating capacity at low ambient temperature, down to -30°C
- › Remarkable blend of iconic design and engineering excellence with an elegant finish in matt black
- › 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
- › 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
- › 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
- › 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.
- › Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!



- | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| Fireplace logic | Coanda effect - cooling | Coanda effect - heating | Intelligent thermal sensor | Heat boost | Guaranteed operation down to -30°C | Econo mode | Energy saving during standby mode | Night set mode |
|  |  |  |  |  |  |  |  |  |
| Fan only | Comfort mode | Powerful mode | Auto cooling-heating changeover | Indoor unit silent operation | 3-D air flow | Vertical auto swing | Horizontal auto swing | Auto fan speed |

1 Features

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Fan speed steps



Dry programme



Silver allergen removal and air purifying filter



Flash Streamer



Titanium apatite deodorising filter



Air filter



Weekly timer



Onecta via app



Auto-restart



Self diagnosis

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTJ30AB		
Power input	Cooling	Nom.		kW	0.024		
	Heating	Nom.		kW	0.024		
Casing	Colour				Black		
Dimensions	Unit	Height		mm	305		
		Width		mm	900		
		Depth		mm	212		
	Packed unit	Height		mm	345		
		Width		mm	1,010		
		Depth		mm	395		
Weight	Unit			kg	12		
	Packed unit			kg	15		
Packing	Weight				kg	3	
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)	
		Length				mm	614
	Heat exchanger 2	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	12.1	
					cfm	427	
					m ³ /min	8.8	
			Medium		cfm	311	
				Low		m ³ /min	5.9
						cfm	208
			Silent operation			m ³ /min	4.9
						cfm	173
Fan			Air flow rate	Heating	High		m ³ /min
		cfm				434	
		m ³ /min				7.8	
	Medium				cfm	275	
		Low				m ³ /min	6.5
						cfm	230
	Silent operation					m ³ /min	4.5
						cfm	159
	Fan motor	Model				MM9G21V28VA	
Type				DC motor			
Speed				5 + silent, + auto			
Cooling		High		rpm	1,140		
				rpm	860		
				rpm	650		
				rpm	570		
Heating		High		rpm	1,140		
				rpm	860		
				rpm	660		
			rpm	590			
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			FTXTJ30AB
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		ARC488A4K
	Wired remote control		BRC073A1

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				FTXTJ30AB
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	0.25

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 New Perfera	Remark New floor stand	Remark Emura 3	Remark Zeta S	Applicable models																			
						Glass	Ceiling	Factory	OH5 Perfera	OH5 Emura 3	OH5 New floor standing	Zeta													
						30	R32 BMS R32 BML	DICz	DICz	DICz	DICz	15	20	25	35	42	50	60	71	20	25	35	50		
Wired remote control	BRC073A1	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTXM30ZV1B																			
Extension cord for wired remote control (-3-m)	BRCW901A03					FTXM40ZV1B																			
Extension cord for wired remote control (-8-m)	BRCW901A08					FTXT18A2V1BW																			
Intelligent Tablet Controller	DCC601A51	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTXT18A2V1BB																			
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		(2) (3)	(2) (3)	(2) (3)	PVXTM30A3V1B																			
Interface adaptor for DIII-NET	KRP9288B2S		(2) (3)	(2) (3)	(2) (3)	CTM15A2V1B / CTM15A3V1B																			
Central remote control	DCS302CA51	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTM80A2V1B / FTM80A3V1B																			
Unified ON/OFF controller	DCS301BA51	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTM85A2V1B / FTM85A3V1B																			
Schedule timer	DST301BA51	(2) (3)	(2) (3)	(2) (3)	(4)	FTM90A2V1B / FTM90A3V1B																			
Intelligent Touch Manager	DCM601A5A	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTM95A2V1B / FTM95A3V1B																			
Modbus interface	EKM8DXA7V1	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTM42A2V1B / FTM42A3V1B																			
Modbus gateway	RTD-RA	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTM50A2V1B / FTM50A3V1B																			
KNX interface	KLIC-DD	(2) (3)	(2) (3)	(2) (3)	(2) (3)	FTM60A2V1B / FTM60A3V1B																			
Titanium apatite deodorising filter without frame	KAF970A46	(1)	(1)	(1)	(1)	FTM70A2V1B / FTM70A3V1B																			
Silver particle filter (Ag-ion) with frame	KAF057A41	(1)		(1)	(1)	FTM82A2V1B / FTM82A3V1B																			
Conversion wire harness	EKR521					FTM92A2V1B / FTM92A3V1B																			

Notes

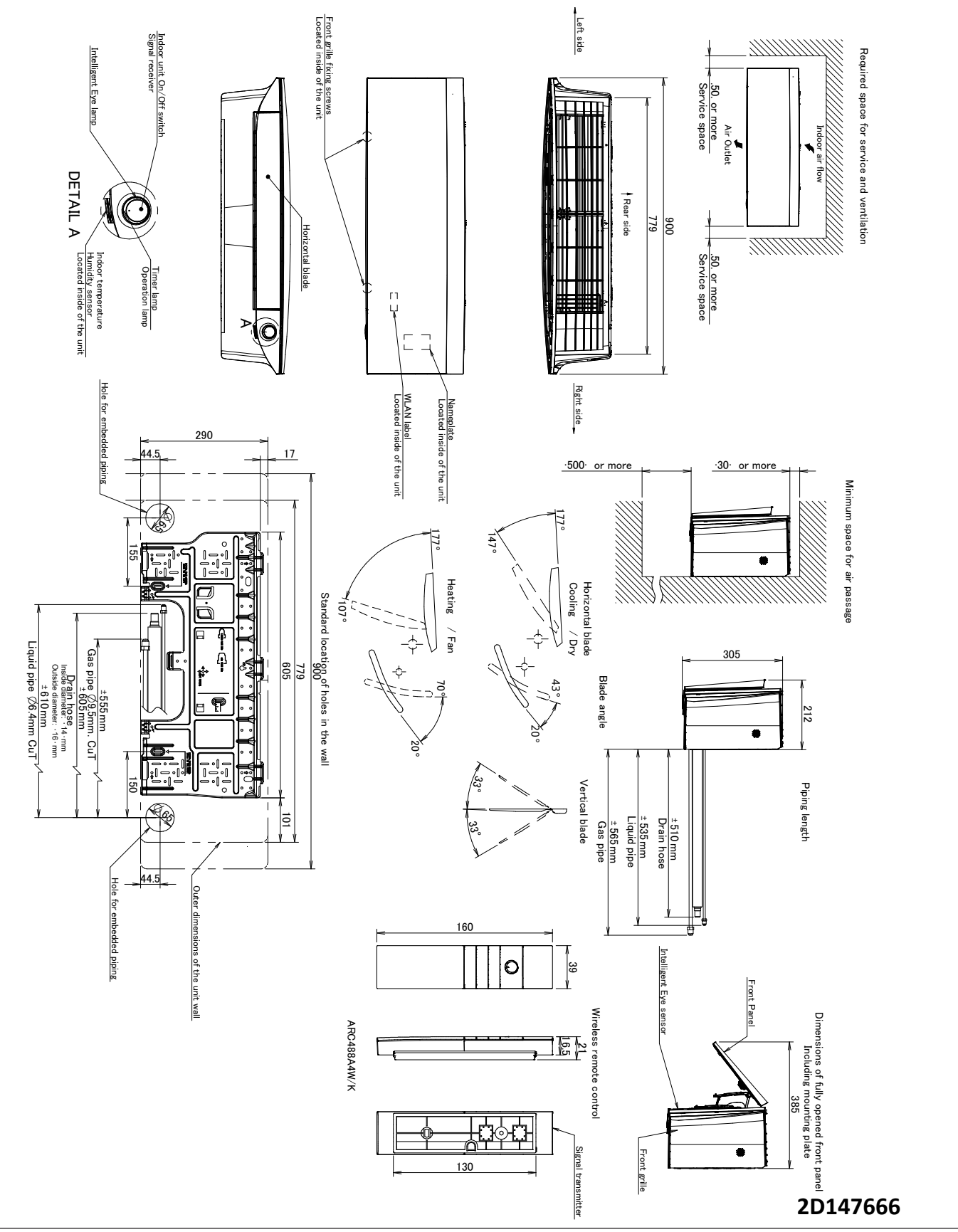
- Standard accessory
- This option features a(n) -S21- connector. To connect this option to the indoor unit, therefore conversion wire harness -EKR521- is required.
- This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.
When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.
- Obsolete option

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4 Dimensional drawings

4 - 1 Dimensional Drawings

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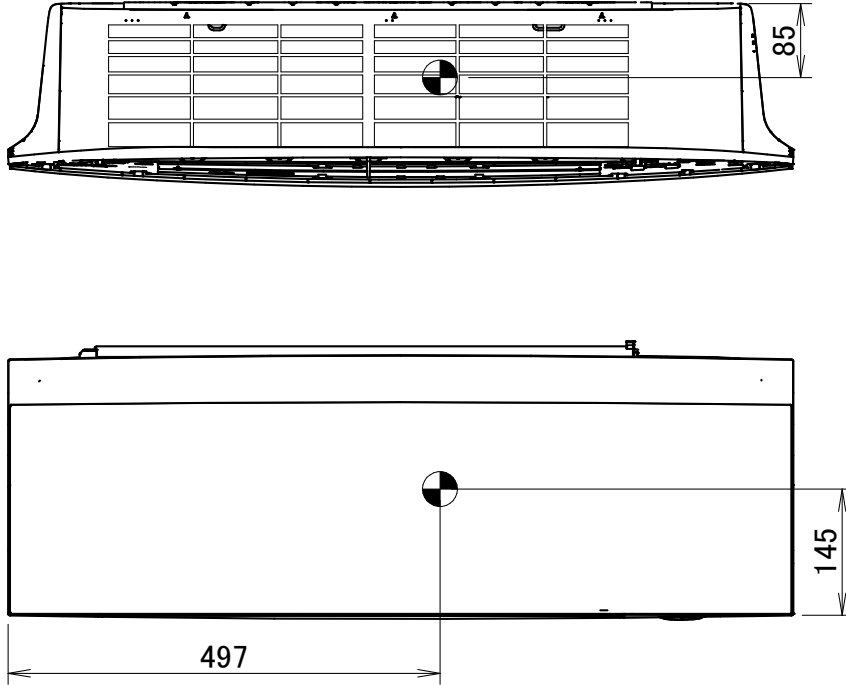
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5 Centre of gravity

5 - 1 Centre of Gravity

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



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6 Piping diagrams



6 - 1 Piping Diagrams

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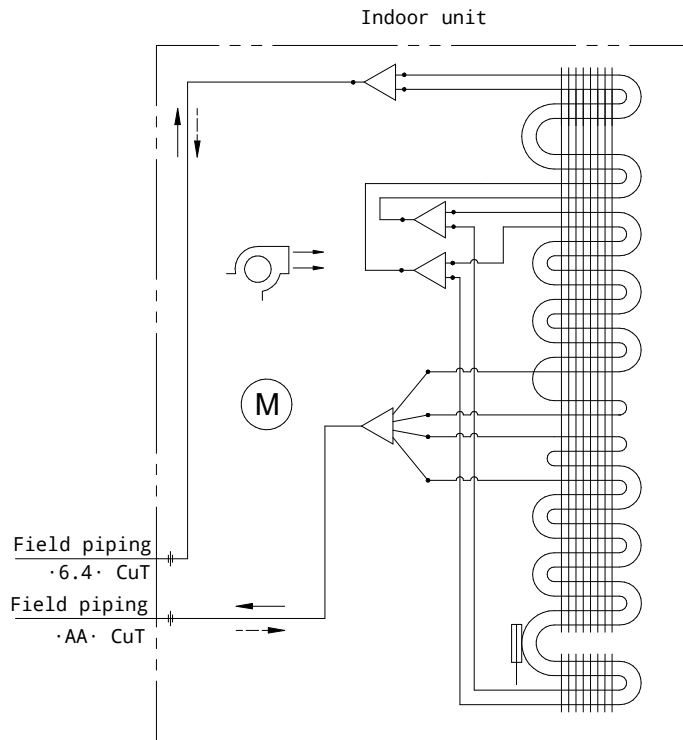
Legend

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

Refrigerant flow

-  Cooling
-  Heating

AA	Class
9.5	15-42
12.7	50



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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

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Wiring diagram

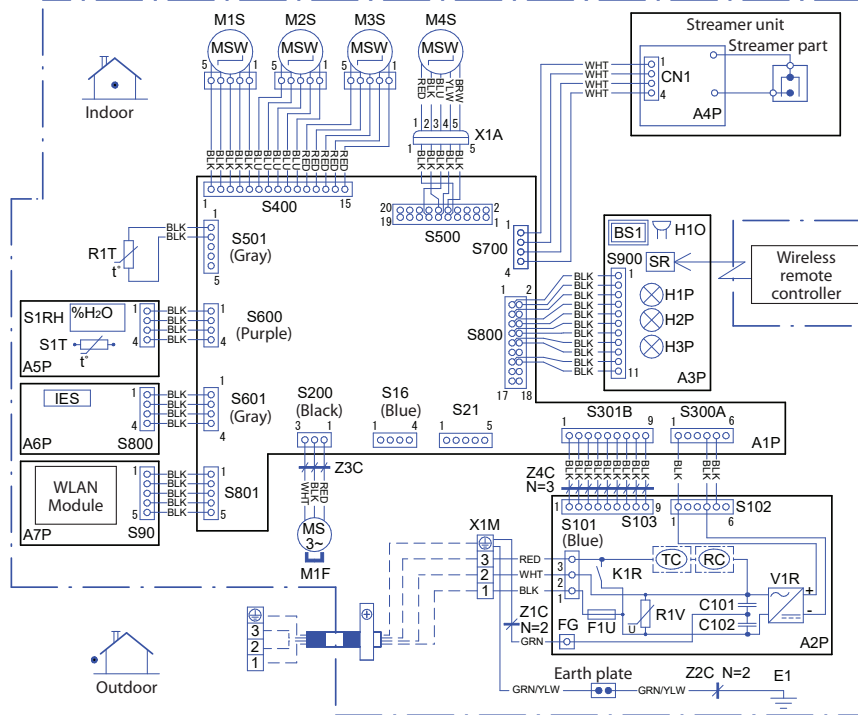
CN1, X1A, S16~920, FG	Connector
X1M	Terminal block
F1U	Fuse (T, 3.15A, 250V)
M1F	Motor (indoor fan)
M1~3S	Motor (swing flap)
A1~7P	Printed circuit
R1T	Thermistor
IES	Intelligent eye sensor
BS1	Button switch
H1~3P	Pilot lamp
SR	Signal receiver
H1O	Buzzer
S1RH	Humidity sensor
Z1C~Z4C	Ferrite core
E1	Heat exchanger
K1R	Magnetic relay
V1R	Rectifier
C101, C102	Capacitor
TC	Transmitter
RC	Receiver circuit
⊕	Protective earth
R1V	Varistor
S1T	Temperature sensor

Wire colors

- RED : Red
 - BLU : Blue
 - BRW : Brown
 - YLW : Yellow
 - BLK : Black
 - GRN : Green
 - WHT : White
 - GRN/YLW : Green/Yellow
- Unmarked housings are all white
- Field wiring :

CAUTION

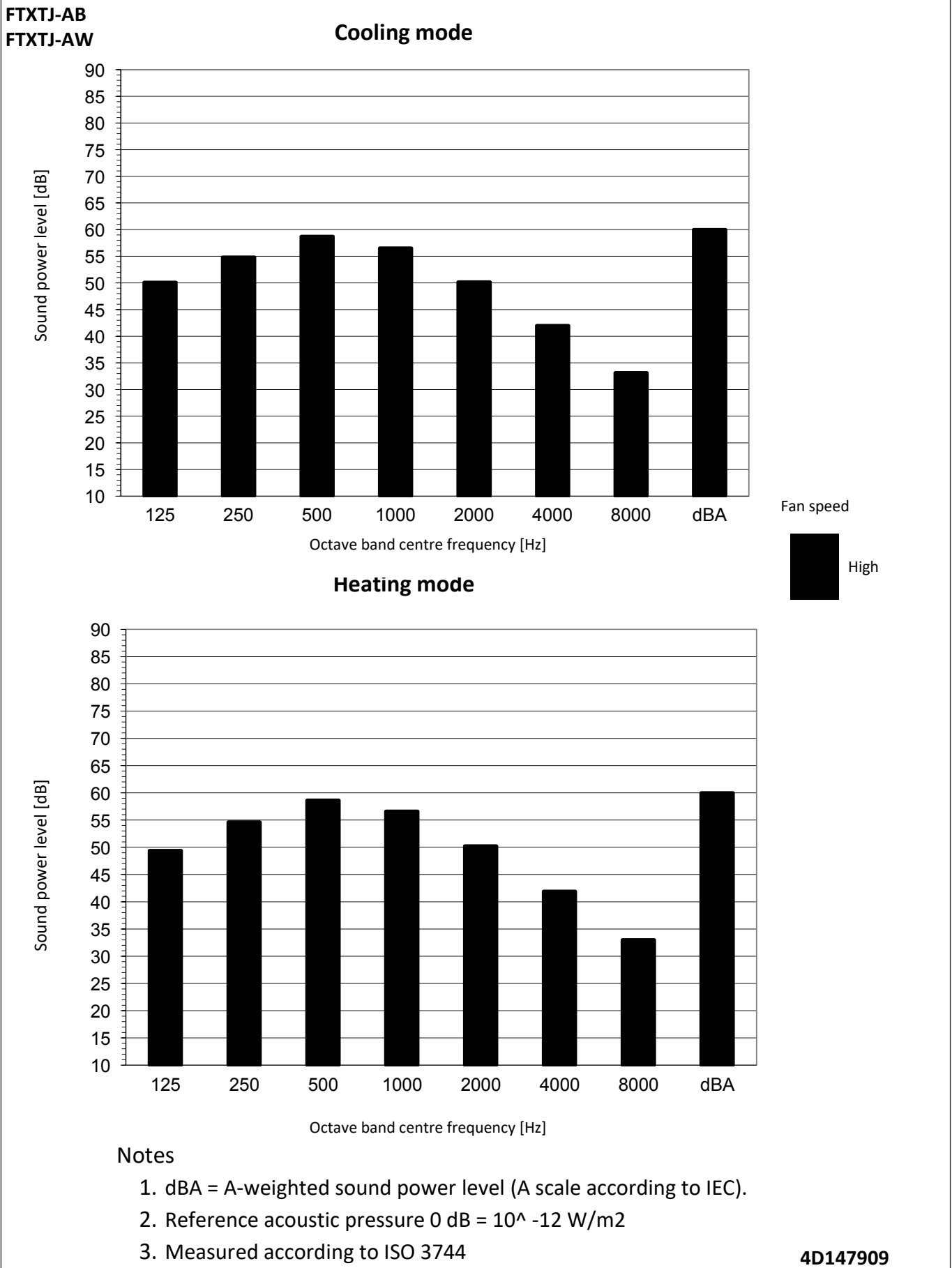
When the main power is turned OFF and then back ON again, operation will resume automatically.



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8 Sound data

8 - 1 Sound Power Spectrum

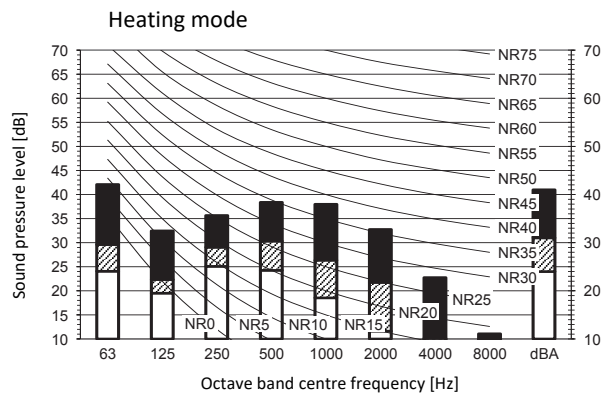
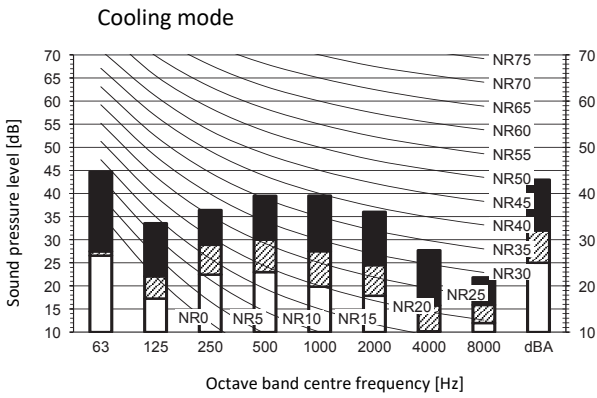


8 Sound data

8 - 2 Sound Pressure Spectrum

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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

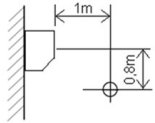
Cooling Total dB

	A	B	C	D
dBA	43	32	25	

Heating Total dB

	A	B	C	D
dBA	41	31	24	

Location of microphone

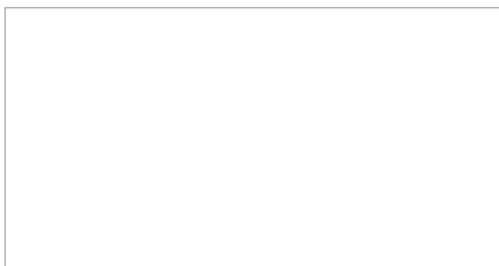


Notes

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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Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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