

Wall mounted unit  
Air Conditioning  
Technical Data  
FTXTJ-AW





# TABLE OF CONTENTS

# FTXTJ-AW

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1	Features	4
	FTXTJ-AW	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-AW

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

1

- › 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 crystal white
- › 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

1 - 1 FTXTJ-AW



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				FTXTJ30AW	
Power input	Cooling	Nom.	kW	0.024	
	Heating	Nom.	kW	0.024	
Casing	Colour			White	
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	
	Packed unit			kg	
Packing	Weight			kg	
Heat exchanger	Length			mm	
	Rows	Quantity			
	Fin pitch			mm	
	Stages	Quantity			
	Passes	Quantity			
	Tube type			ø5 Hi-XB	
	Fin	Type		ML fin (Multi louver)	
	Heat exchanger 2	Length			mm
		Rows	Quantity		
		Fin pitch			mm
Stages		Quantity			
Heat exchanger 3	Length			mm	
	Rows	Quantity			
	Fin pitch			mm	
	Stages	Quantity			
Fan	Type			Cross flow fan	
	Air flow rate	Cooling	High	m <sup>3</sup> /min	
			Medium	m <sup>3</sup> /min	
			Low	m <sup>3</sup> /min	
			Silent operation	m <sup>3</sup> /min	
				cfm	
	Fan	Air flow rate	Heating	High	m <sup>3</sup> /min
				Medium	m <sup>3</sup> /min
				cfm	
				cfm	
			cfm		
			cfm		
			cfm		
			cfm		
			cfm		
			cfm		
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	
	Heating			dBA	
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	
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.50	
	Drain			mm	
	Heat insulation			Both liquid and gas pipes	

## 2 Specifications

### 2 - 1 Specifications

Technical specifications			FTXTJ30AW
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		ARC488A4W
	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				FTXTJ30AW
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 |

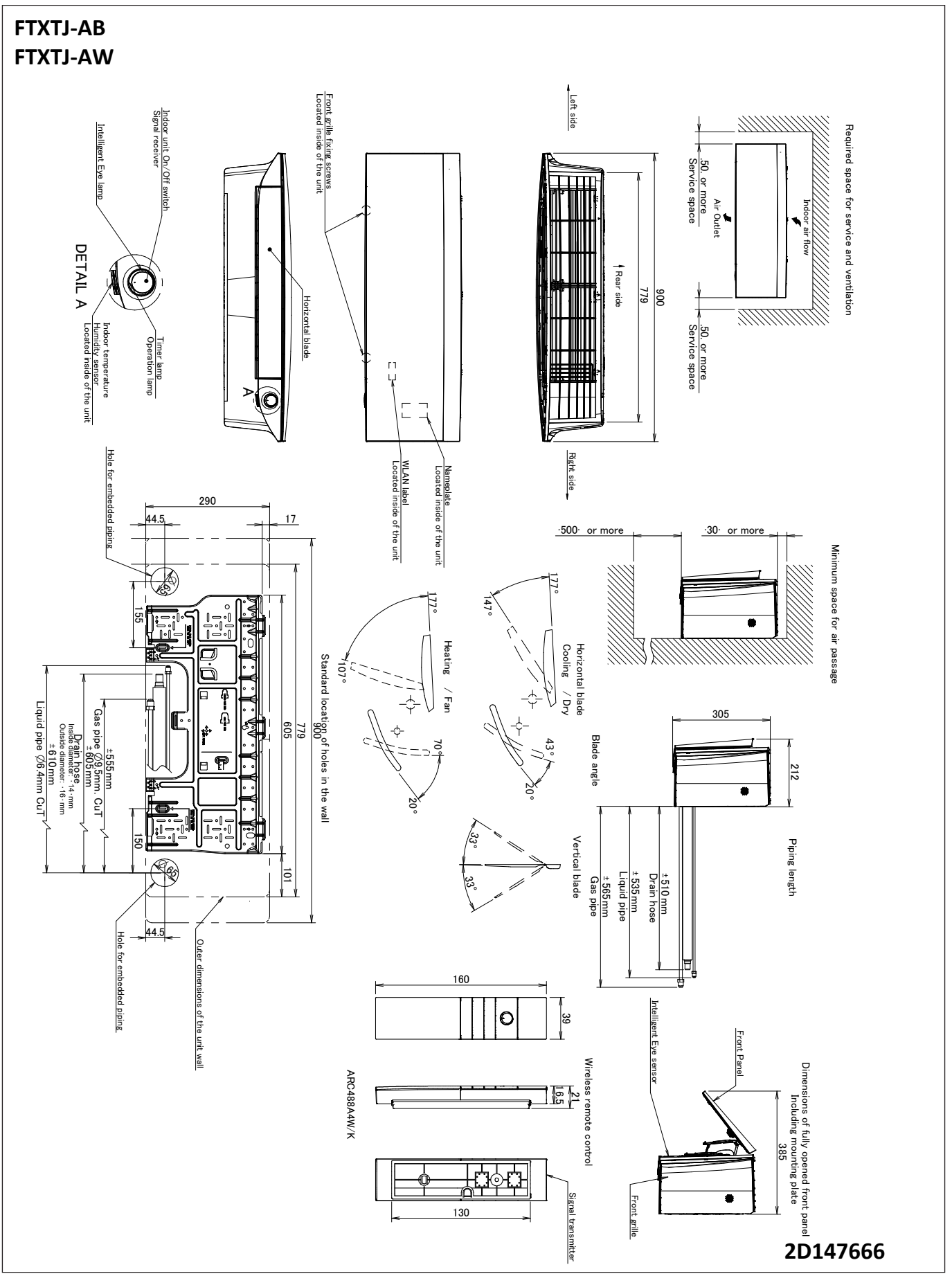
Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m |

See separate drawing for electrical data



# 4 Dimensional drawings

## 4 - 1 Dimensional Drawings

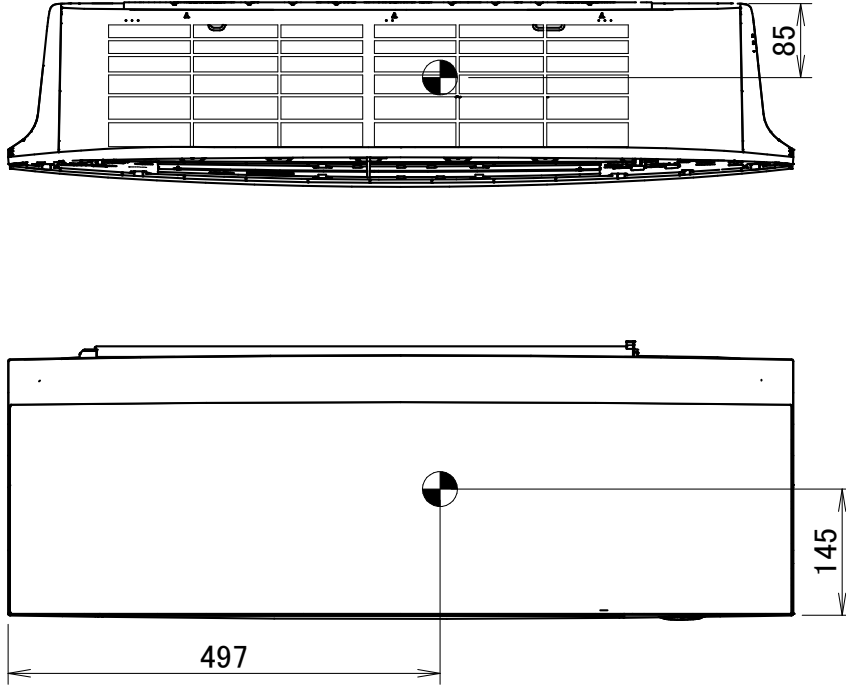


# 5 Centre of gravity

## 5 - 1 Centre of Gravity

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FTXTJ-AB  
FTXTJ-AW









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# 6 Piping diagrams



## 6 - 1 Piping Diagrams

**FTXTJ-AB**  
**FTXTJ-AW**

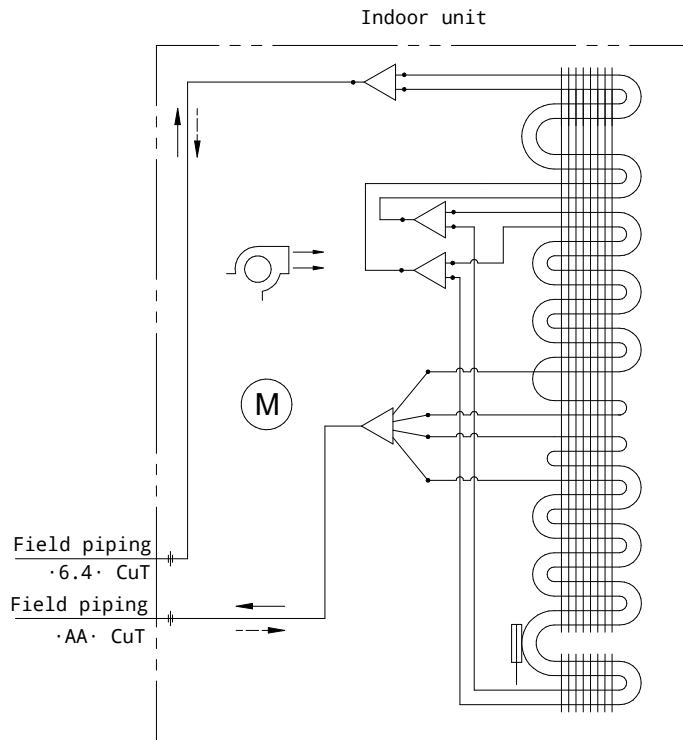
Legend

-  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

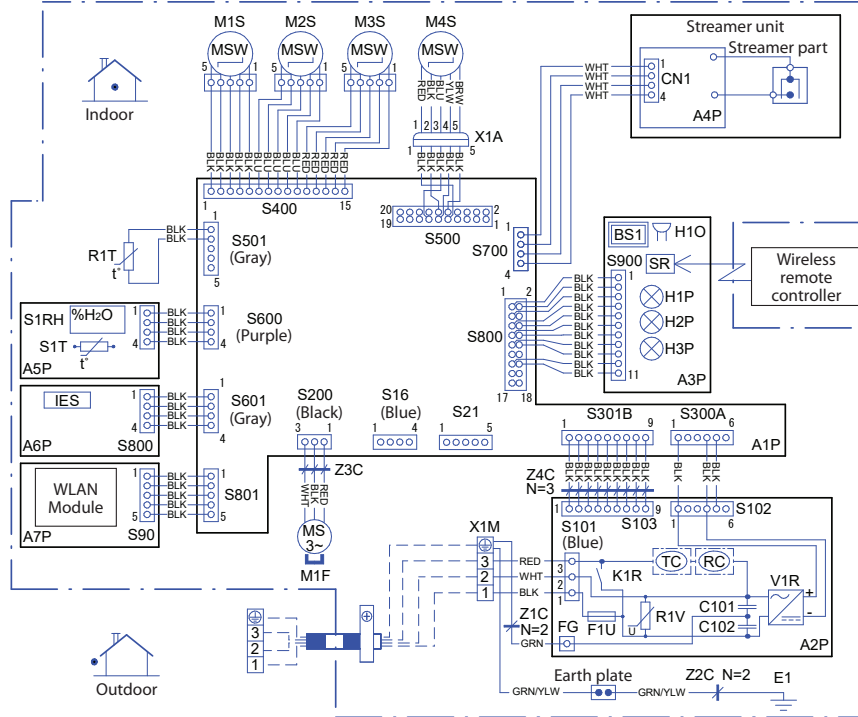
CN1, X1A, S16~920, FG	Connector
X1M	Terminal block
F1U	Fuse (T, 3.15A, 250V)
M1F	Motor (indoor fan)
M1~3S	Motor (swing flap)
A1~7P	Printed circuit
R1T	Thermistor
IES	Intelligent eye sensor
BS1	Button switch
H1~3P	Pilot lamp
SR	Signal receiver
H10	Buzzer
S1RH	Humidity sensor
Z1C~Z4C	Ferrite core
E1	Heat 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**

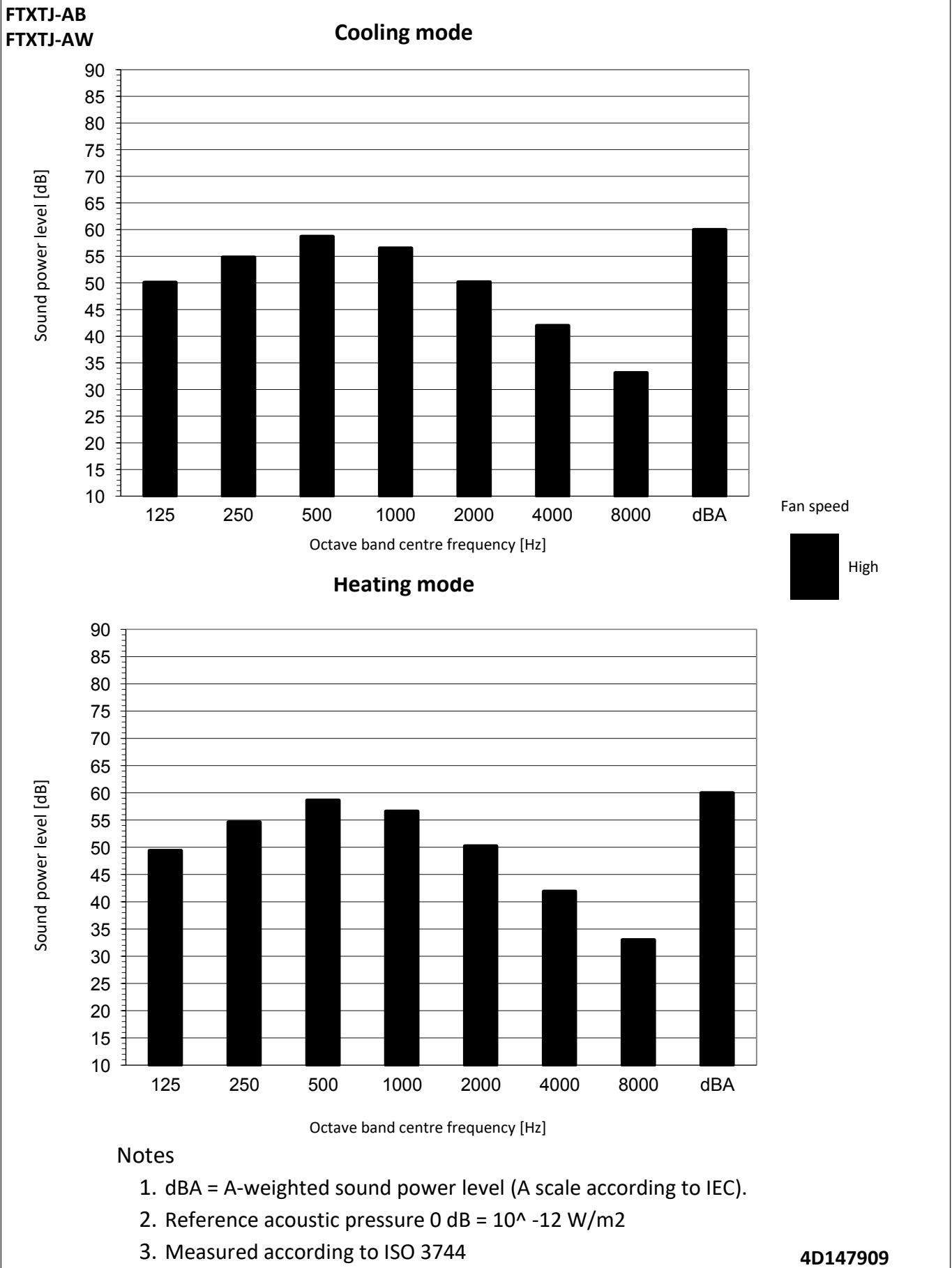
When the main power is turned OFF and then back ON again, operation will resume automatically.



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# 8 Sound data

## 8 - 1 Sound Power Spectrum

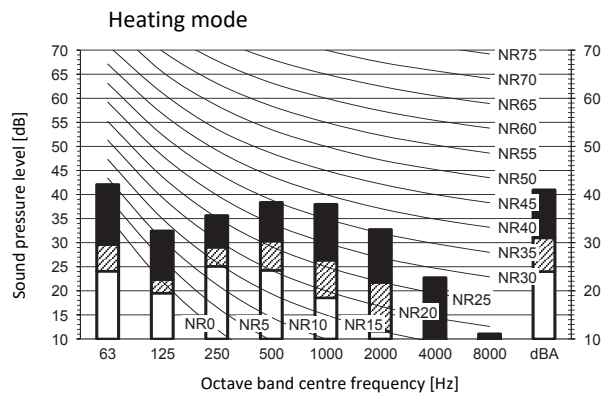
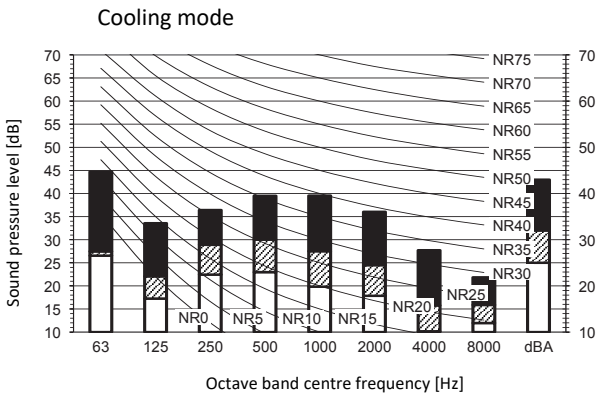


# 8 Sound data

## 8 - 2 Sound Pressure Spectrum

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FTXTJ-AB  
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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

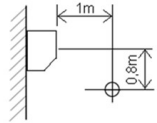
Cooling Total dB

	A	B	C	D
dBA	43	32	25	

Heating Total dB

	A	B	C	D
dBA	41	31	24	

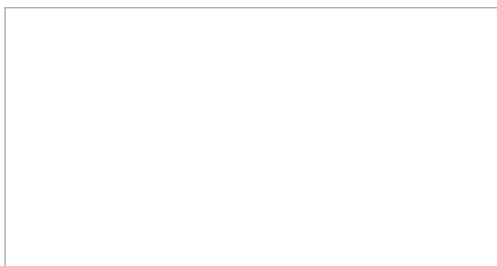
Location of microphone



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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