

Air Conditioning
Technical Data

FTXZ-N



- > FTXZ25NV1B
- > FTXZ35NV1B
- > FTXZ50NV1B

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FTXZ-N

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1 Features

Complete climate control with (de)humidification, air purification & ventilation with top efficiencies in heating & cooling

- No need to clean filters, thanks to the self cleaning filter
- Unique combination of humidification, dehumidification, ventilation, air purification and heating & cooling in 1 system
- 3 area intelligent eye: air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient
- Reddot design award winner 2013
- Online controller: control your indoor from any location with an app, via your local network or internet
- First R-32 air-to-air heat pump in the European market

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Econo mode	3 area intelligent eye	Energy saving during standby mode	Comfort mode	Powerful mode	Auto cooling-heating changeover	Whisper quiet	Indoor unit silent operation	Outdoor unit silent operation
								
Comfortable sleeping mode	3-D air flow	Vertical auto swing	Horizontal auto swing	Auto fan speed	Fan speed steps	Ururu - humidification	Sarara - dehumidification	Flash Streamer
								
Titanium apatite photocatalytic air purification filter	24 hour timer	Infrared remote control	Online controller via app	Auto-restart	Self diagnosis			

2 Specifications

2-1 Technical Specifications				FTXZ25N	FTXZ35N	FTXZ50N	
Power input	Cooling	Nom.	kW	0.030			
	Heating	Nom.	kW	0.030			
Casing	Colour			White			
Dimensions	Unit	Height/Width/Depth	mm	295/798/372			
	Packed unit	Height/Width/Depth	mm	434/865/361			
Weight	Unit		kg	15			
	Packed unit		kg	19			
Heat exchanger	Rows	Quantity		4 (1) / 2 (2)			
	Fin pitch		mm	4 (1) / 6.35 (2)			
	Stages	Quantity		14 (1) / 12 (1) / 10 (2) / 8 (2)			
	Tube type			Hi-XA (ø4) (front) / Hi-XB (ø6.35) (back) tube			
	Fin	Type		Multi slit fin			
Air filter	Type			Auto cleaning filter			
Fan	Type			Cross flow fan			
	Air flow rate	Cooling	High	m³/min	10.7	12.1	15.0
				cfm	379	428	545
			Low	m³/min	5.3	5.6	6.6
				cfm	188	197	232
			Silent operation	m³/min	4.0		4.6
				cfm	141		164
		Nom.	cfm	265	295	326	
			m³/min	7.5	8.4	9.2	
		Heating	High	m³/min	11.7	13.3	14.4
				cfm	415	469	517
			Low	m³/min	6.7	6.9	7.7
				cfm	236	245	274
	Silent operation		m³/min	4.8		5.9	
			cfm	168		210	
	Nom.	cfm	303	324	378		
m³/min		8.6	9.2	10.7			
Fan motor	Model			MM12E06P12V			
	Speed	Steps		5 + silent, + auto			
		Cooling	High/Medium/Low/Silent operation	rpm	1,020/830/660/540	1,110/890/680/540	1,310/950/760/600
	Heating	High/Medium/Low/Silent operation	rpm	1,080/900/760/600	1,190/940/780/600	1,270/1,040/840/700	
	Output	Rated		W			
Sound power level	Cooling		dBA	54	57	60	
	Heating		dBA	56	57	59	
Sound pressure level	Cooling	High/Low/Silent operation	dBA	38/26/19	42/27/19	47/30/23	
	Heating	High/Low/Silent operation	dBA	39/28/19	42/29/19	44/31/24	
Control systems	Infrared remote control			ARC477A1			
Refrigerant	Type			R-32			

2 Specifications

2-1 Technical Specifications			FTXZ25N	FTXZ35N	FTXZ50N
Piping connections	Liquid	OD	6.35		
	Gas	OD	9.5		
	Heat insulation		Both liquid and gas pipes		
Temperature control			Microcomputer control		
Air direction control			Right, Left, Horizontal, Downward		

Standard Accessories : Photocatalytic air purifying and deodorising filter; Quantity : 1;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Dry batteries; Quantity : 2;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Indoor unit fixing screws; Quantity : 3;

Standard Accessories : Mounting plate; Quantity : 1;

2-2 Electrical Specifications				FTXZ25N	FTXZ35N	FTXZ50N
Power supply	Name			V1		
	Phase			1~		
	Frequency		Hz	50		
	Voltage		V	220-240		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.14 (3) / 0.14 (4) / 0.13 (5)		
		Heating	A	0.14 (3) / 0.14 (4) / 0.13 (5)		
Wiring connections - 50Hz	For power supply	Remark		3 for power supply, 4 for interunit wiring (Earth wire included)		

Notes

(1) Front of heat exchanger

(2) Back of heat exchanger

(3) 220V

(4) 230V

(5) 240V

3 Options

3 - 1 Options

FTXZ-N

Option kit	Product name	Remark	Applicable models		
			Class	Case	Factory
Centralised control board (up to 5 rooms)	KRC72A				
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S				
Wi-Fi adaptor for smartphones	BRP069A42				
Interface adaptor for DIII-NET	KRP928BB2S				
Central remote control	DCS302CAS1				
Unified ON/OFF controller	DCS301BAS1				
Schedule timer	DST301BAS1				
Photocatalytic deodorising and air-purifying filter with frame	KAF046A41				
Anti-theft protection for remote control	KKF936AA4				

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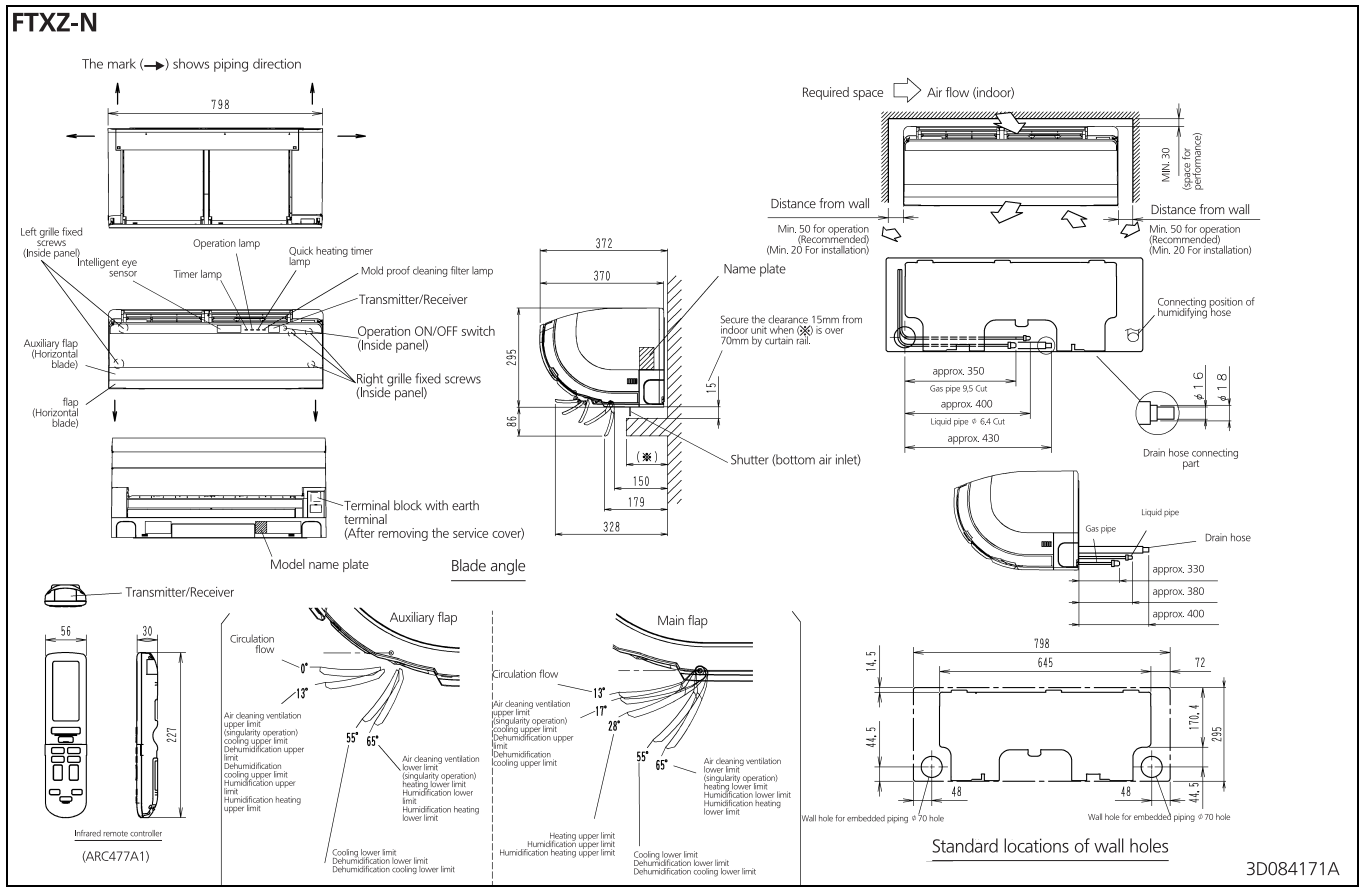
Notes

1. R32 models

4 Dimensional drawings

4 - 1 Dimensional Drawings

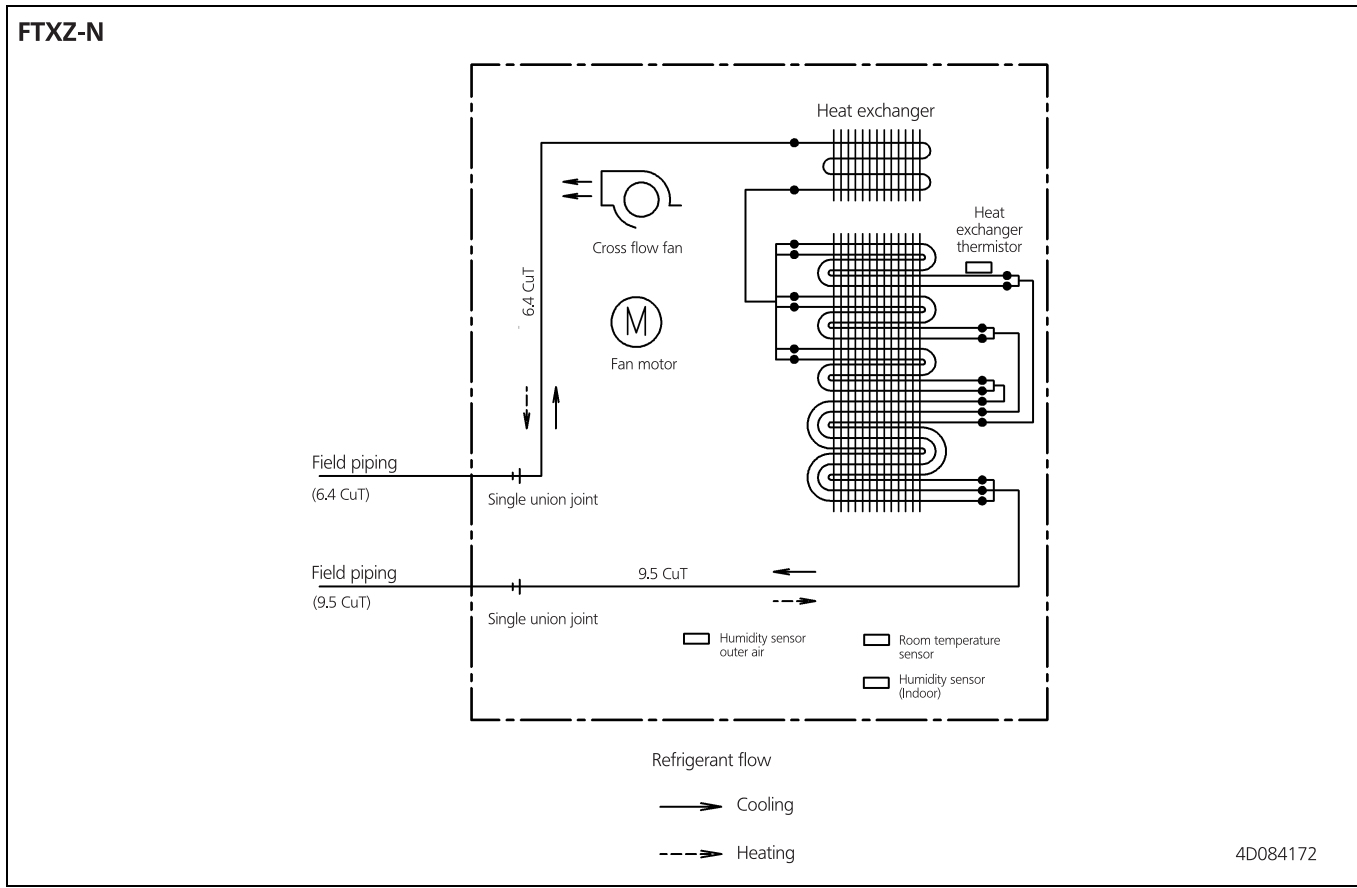
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5 Piping diagrams

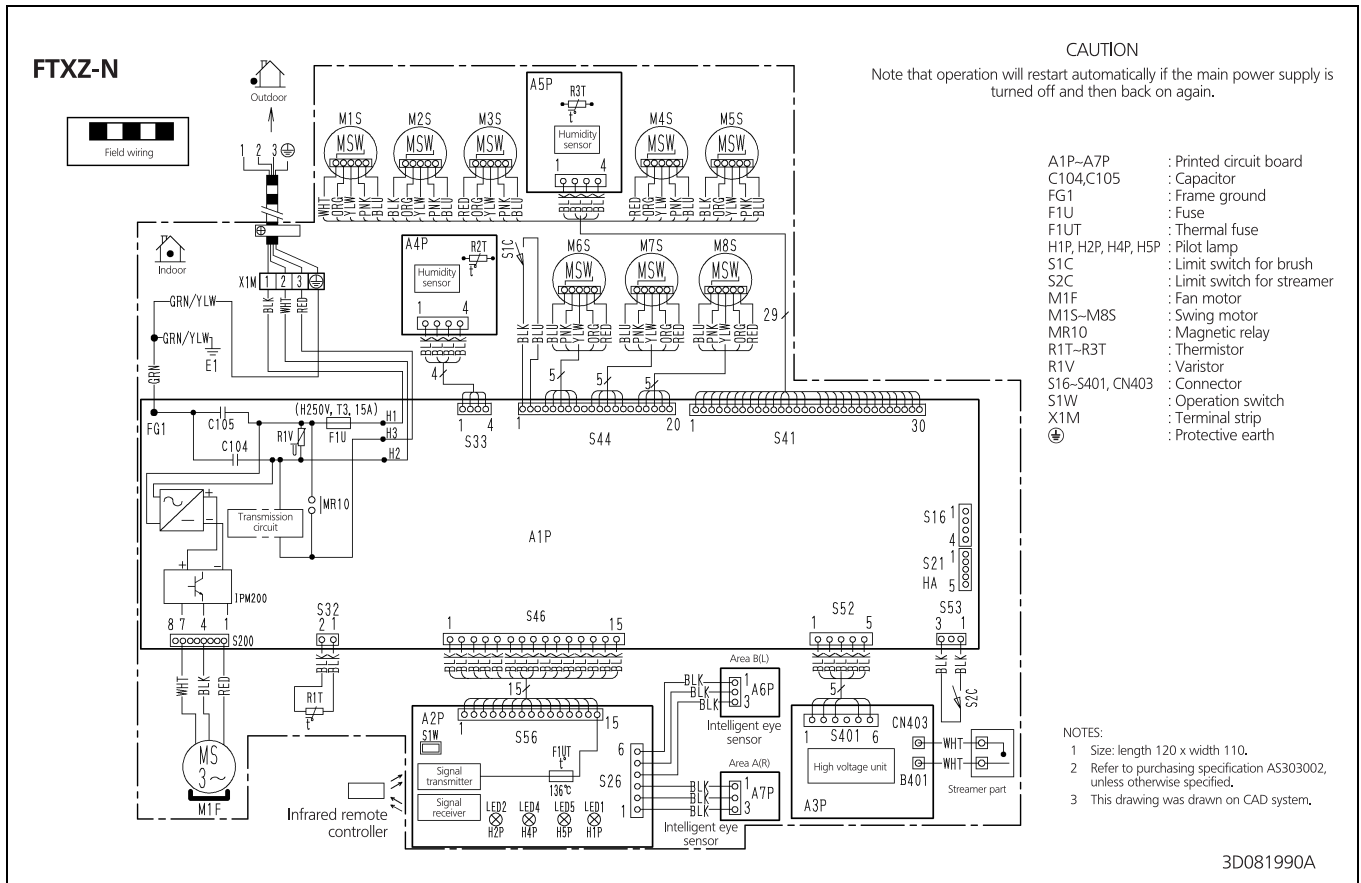
5 - 1 Piping Diagrams



6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

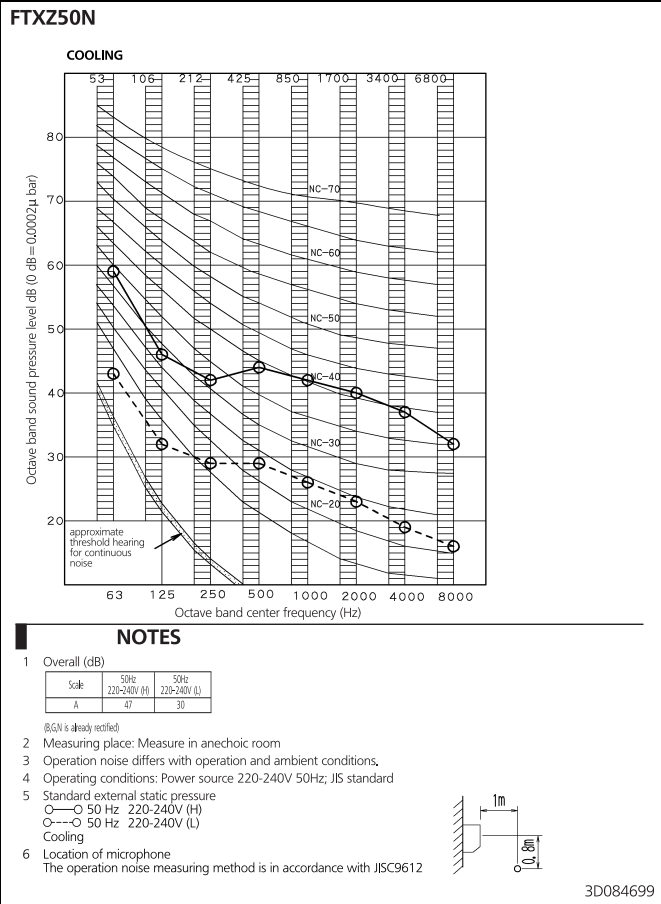
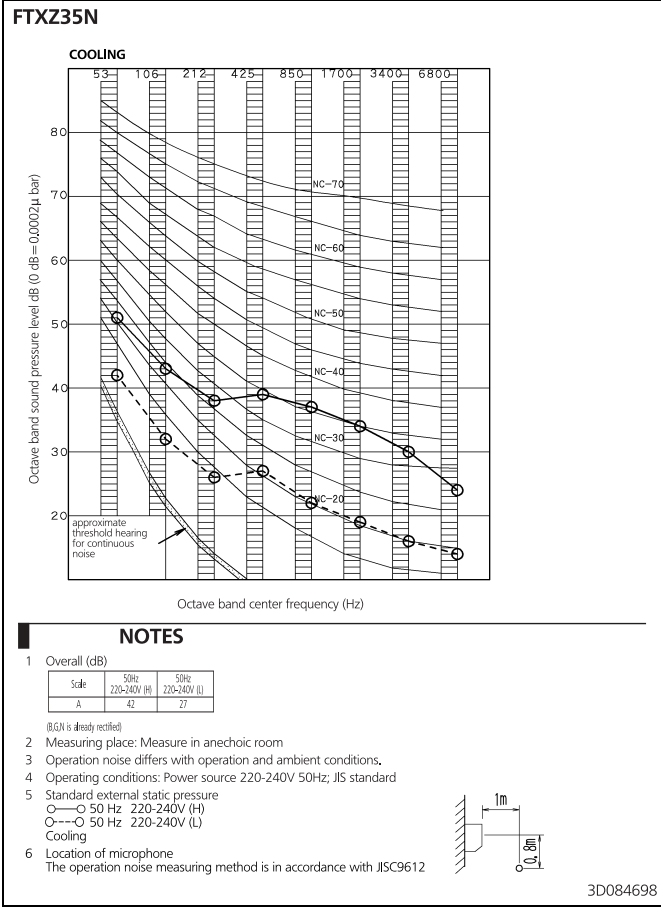
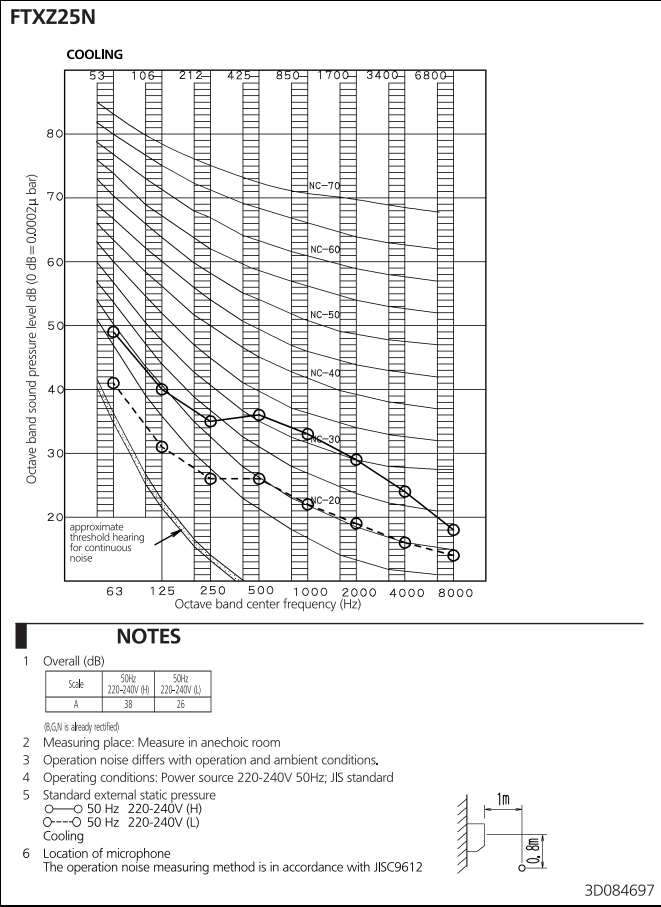
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7 Sound data

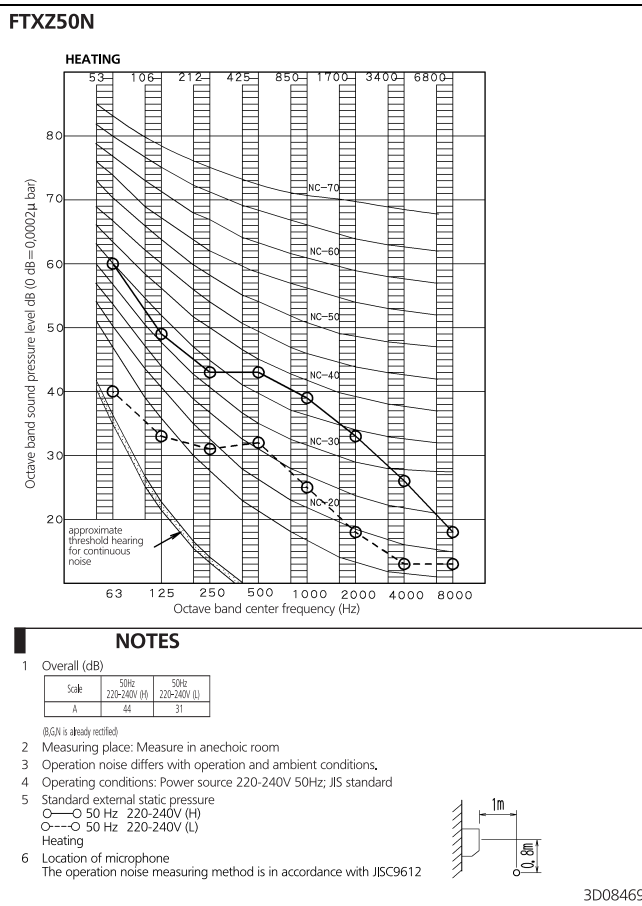
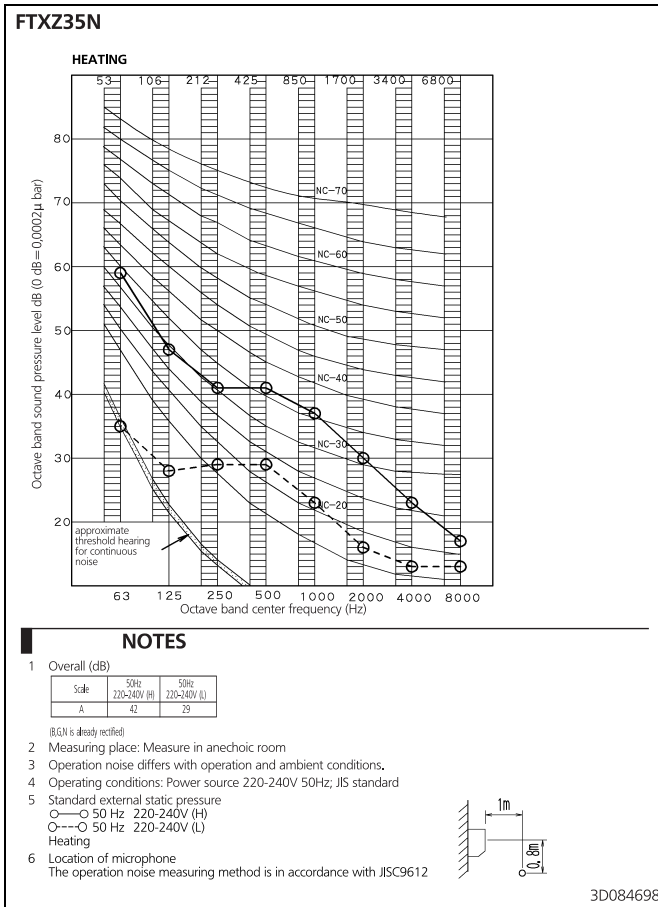
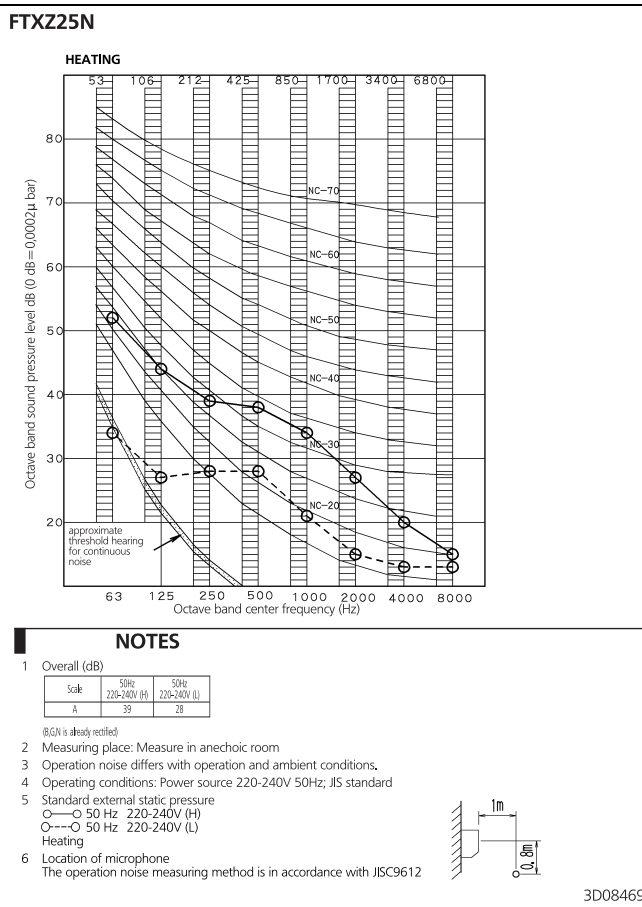
7 - 1 Sound Pressure Spectrum - Cooling



7 Sound data

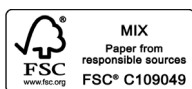
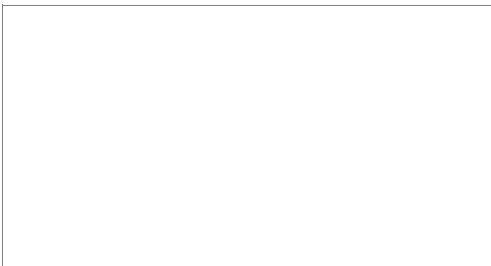
7 - 2 Sound Pressure Spectrum - Heating

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