



Wall mounted unit
Air Conditioning
Technical Data
FTXZ-N



FTXZ25NV1B
FTXZ35NV1B
FTXZ50NV1B

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1 Features

























1 - 1 FTXZ-N

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

1

- > Unique combination of humidification, dehumidification, ventilation, air purification and heating & cooling in 1 system
- > 3 area motion detection sensor: 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 setting.
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > No need to clean filters, thanks to the self cleaning filter
- > Seasonal efficiency values: full range A+++ in cooling and heating
- > Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- > 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
- > Reddot design award winner 2013



 Onecta app (optional)	 Econo mode	 3 area motion detection sensor	 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 (5 steps)	 Ururu - humidification	 Sarara - dehumidification
 Flash Streamer	 Titanium apatite deodorising filter	 24 hour timer	 Infrared remote control	 Auto-restart	 Self diagnosis			

2 Specifications

2 - 1 Specifications

Technical specifications					FTXZ25N	FTXZ35N	FTXZ50N		
Power input	Cooling	Nom.	kW			0.030			
	Heating	Nom.	kW			0.030			
Casing	Colour					White			
Dimensions	Unit	Height	mm			295			
		Width	mm			798			
		Depth	mm			372			
	Packed unit	Height	mm			434			
		Width	mm			865			
		Depth	mm			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			
Fan	Type					Cross flow fan			
	Air flow rate	Cooling	High	m ³ /min	10.7		12.1	15.0	
				cfm	379		428	545	
				Low	m ³ /min	5.3		5.6	6.6
			cfm	188		197	232		
			Silent operation	m ³ /min		4.0			4.6
				cfm		141			164
		Heating		High	m ³ /min	11.7		13.3	14.4
			cfm		415		469	517	
			Low		m ³ /min	6.7		6.9	7.7
		cfm	236		245	274			
		Silent operation	m ³ /min		4.8			5.9	
			cfm		168			210	
	Fan motor	Model					MM12E06P12V		
Speed		Steps				5 + silent, + auto			
Fan motor	Speed	Cooling	High	rpm	1,020	1,110	1,310		
				Medium	rpm	830	890	950	
			Low	rpm	660	680	760		
				Silent operation	rpm		540	600	
		Heating	High	rpm	1,080	1,190	1,270		
				Medium	rpm	900	940	1,040	
			Low	rpm	760	780	840		
				Silent operation	rpm		600	700	
Output	Rated		W		30				
Sound power level	Cooling		dBA	54	57	60			
	Heating		dBA	56	57	59			
Sound pressure level	Cooling	High	dBA	38	42	47			
			Low	dBA	26	27	30		
		Silent operation	dBA		19		23		
			Heating	High	dBA	39	42	44	
	Low	dBA	28		29	31			
	Silent operation	dBA		19		24			
	Refrigerant	Type				R-32			
Piping connections	Liquid	OD	mm		6.35				
	Gas	OD	mm		9.5				
	Heat insulation				Both liquid and gas pipes				
Air filter	Type				Auto cleaning filter				
Air direction control					Right, Left, Horizontal, Downward				
Temperature control					Microcomputer control				
Control systems	Infrared remote control				ARC477A1				
Fan	Air flow rate	Cooling	Nom.	cfm	265	295	326		
				m ³ /min	7.5	8.4	9.2		
			Heating	Nom.	cfm	303	324	378	
		m ³ /min			8.6	9.2	10.7		
		Sound pressure level		Cooling	Nom.	dBA	33	35	38
			Heating	Nom.	dBA	35	36	38	

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 Specifications

2 - 1 Specifications

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	Heating	A	0.14 (3) / 0.14 (4) / 0.13 (5)		
		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)		
Wiring connections - 50Hz	For power supply	Remark				
Current	Nominal running current (RLA)	Cooling	A	0.14 (3) / 0.14 (4) / 0.13 (5)		

(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		Casing		Factory	
			FTXZ25NV1B	FTXZ35NV1B	FTXZ50NV1B	25	35	50	SF4	SF4	DIL(B)
Wired remote control	BRC073A1										
Wired remote control	BRC944B2										
Extension cord for wired remote control (-3-m)	BRCW901A03										
Extension cord for wired remote control (-5-m)	BRCW901A08										
Interface adaptor for wired remote control	KRP980B1										
Interface adaptor for wired remote control	EKRP067A41										
Interface adaptor for wired remote control	EKRP980B2										
Centralised control board (up to -5- rooms)	KRC72A		✓	✓	✓						
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		✓	✓	✓						
Wi-Fi adaptor for smartphones	BRP069B41	④ ⑤									
Wi-Fi adaptor for smartphones	BRP069B42	⑤	✓	✓	✓						
Wi-Fi adaptor for smartphones	BRP069B43	⑤									
Wi-Fi adaptor for smartphones	BRP069A44	⑥									
Wi-Fi adaptor for smartphones	BRP069B45	⑤									
Interface adaptor for DIII-NET	KRP928BB2S		✓	✓	✓						
Central remote control	DCS302CA51		✓	✓	✓						
Unified ON/OFF controller	DCS301BA51		✓	✓	✓						
Schedule timer	DST301BA51		✓	✓	✓						
Titanium apatite deodorising filter without frame	KAF971A42	①									
Titanium apatite deodorising filter without frame	KAF952B42	③									
Titanium apatite deodorising filter without frame	KAF970A46	②									
Honeycomb deodorising and air-purifying filter without frame	KAF968A42										
Honeycomb deodorising filter with frame	KAZ917B41										
Honeycomb deodorising filter without frame	KAZ917B42										
Air-purifying filter with frame	KAF925B41										
Honeycomb deodorising and air-purifying filter with frame	KAF046A41		✓	✓	✓						
Anti-theft protection for remote control	KKF910AA4										
Anti-theft protection for remote control	KKF917AA4										
Anti-theft protection for remote control	KKF936A4		✓	✓	✓						
Installation frame for floor-standing units	BKS028A4										
Optional remote control BRC480A54 for heating-only indoor units	BRC54A	⑦									

LEGEND

- ① Three-dimensional knitted fabric (-42x275-mm) + activated charcoal net
- ② Three-dimensional knitted fabric (-42x255-mm) + activated charcoal net
- ③ Corrugated fiberboard (-42x275-mm)
- ④ Without connection cable
- ⑤ Option -BRP069A**, was replaced by option -BRP069B**.
- ⑥ This option is no longer produced.
- ⑦ Only for France

NOTES

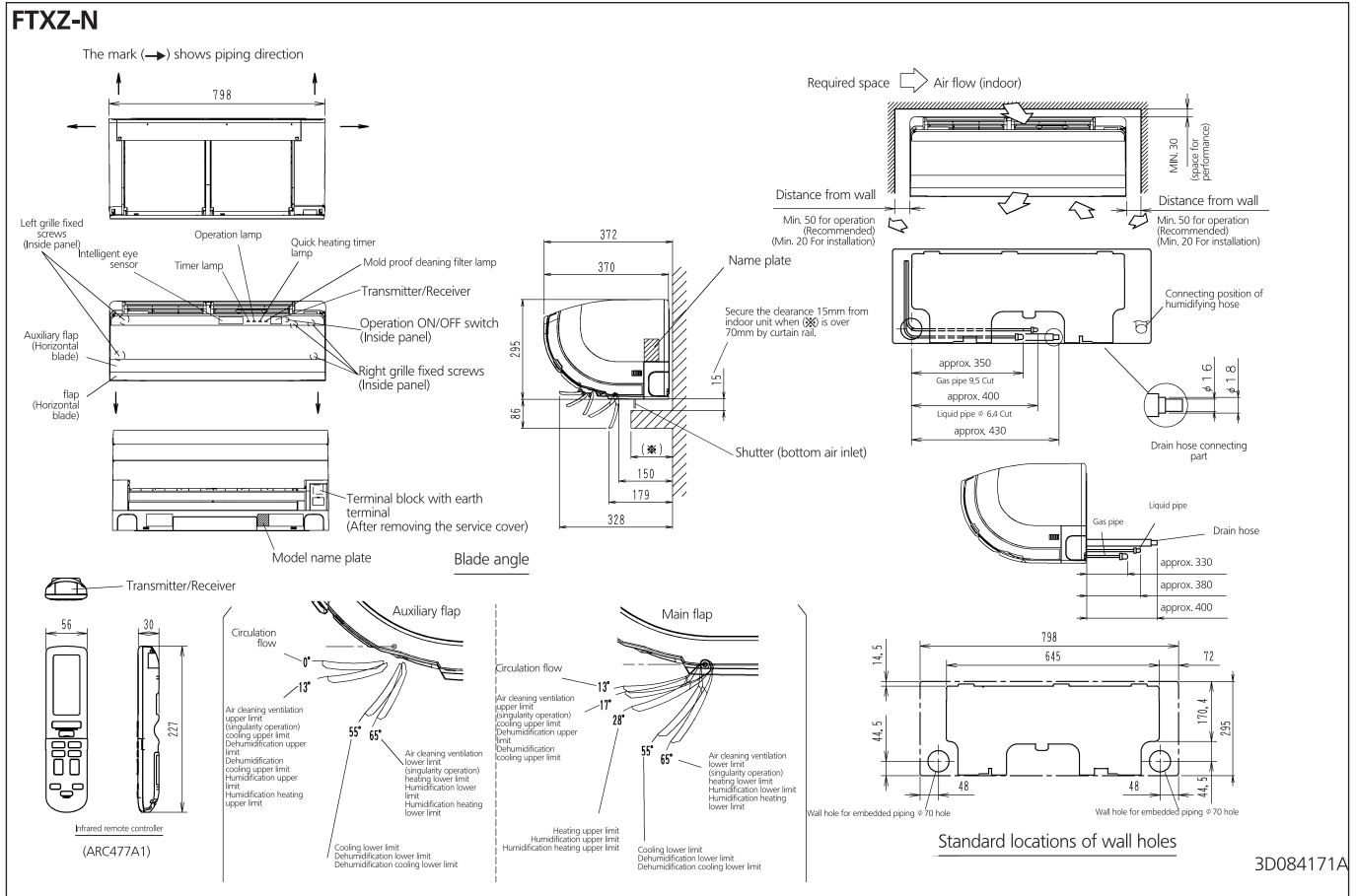
- 1. R32 models

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4 Dimensional drawings

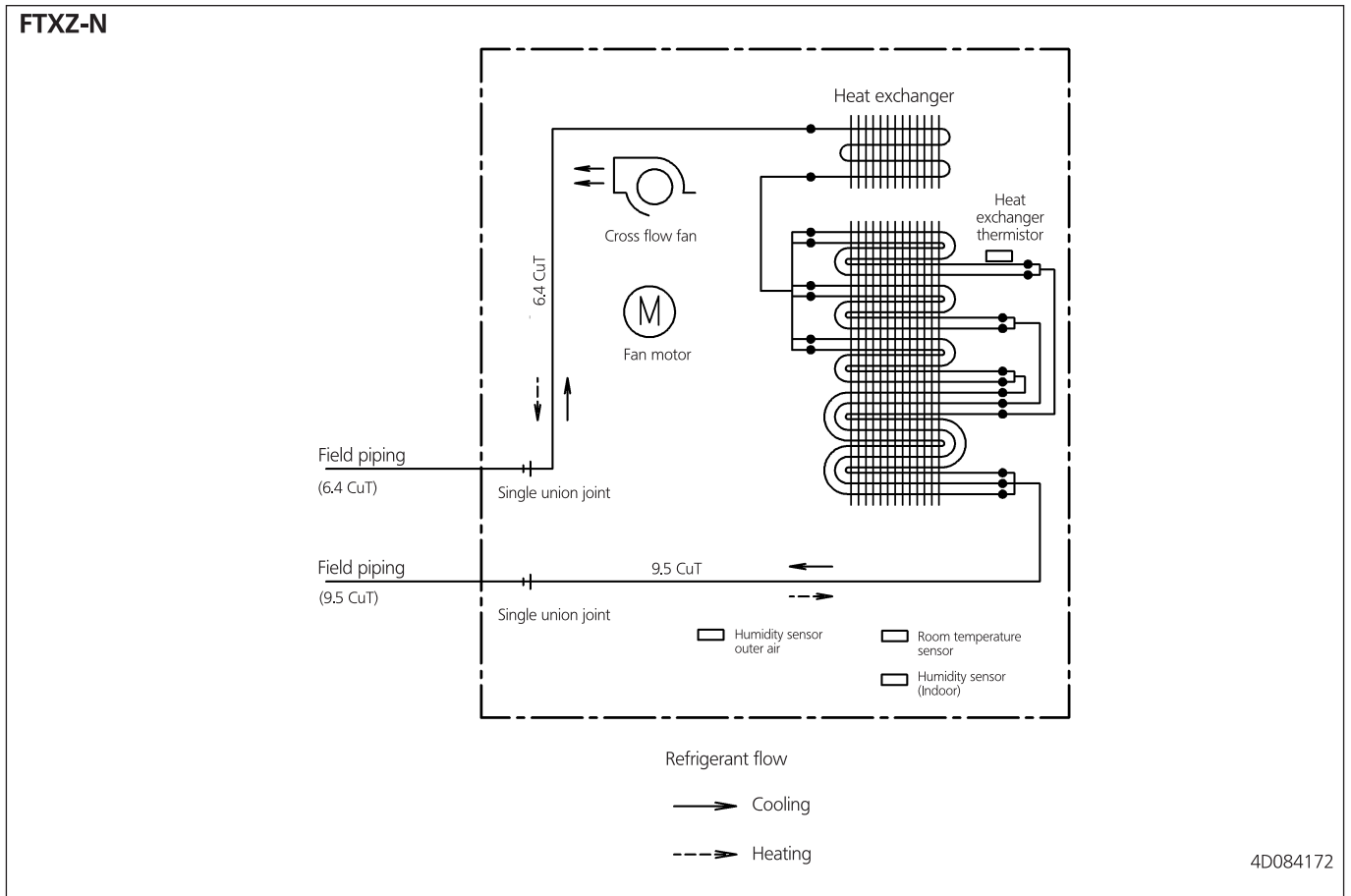
4 - 1 Dimensional Drawings

4



5 Piping diagrams

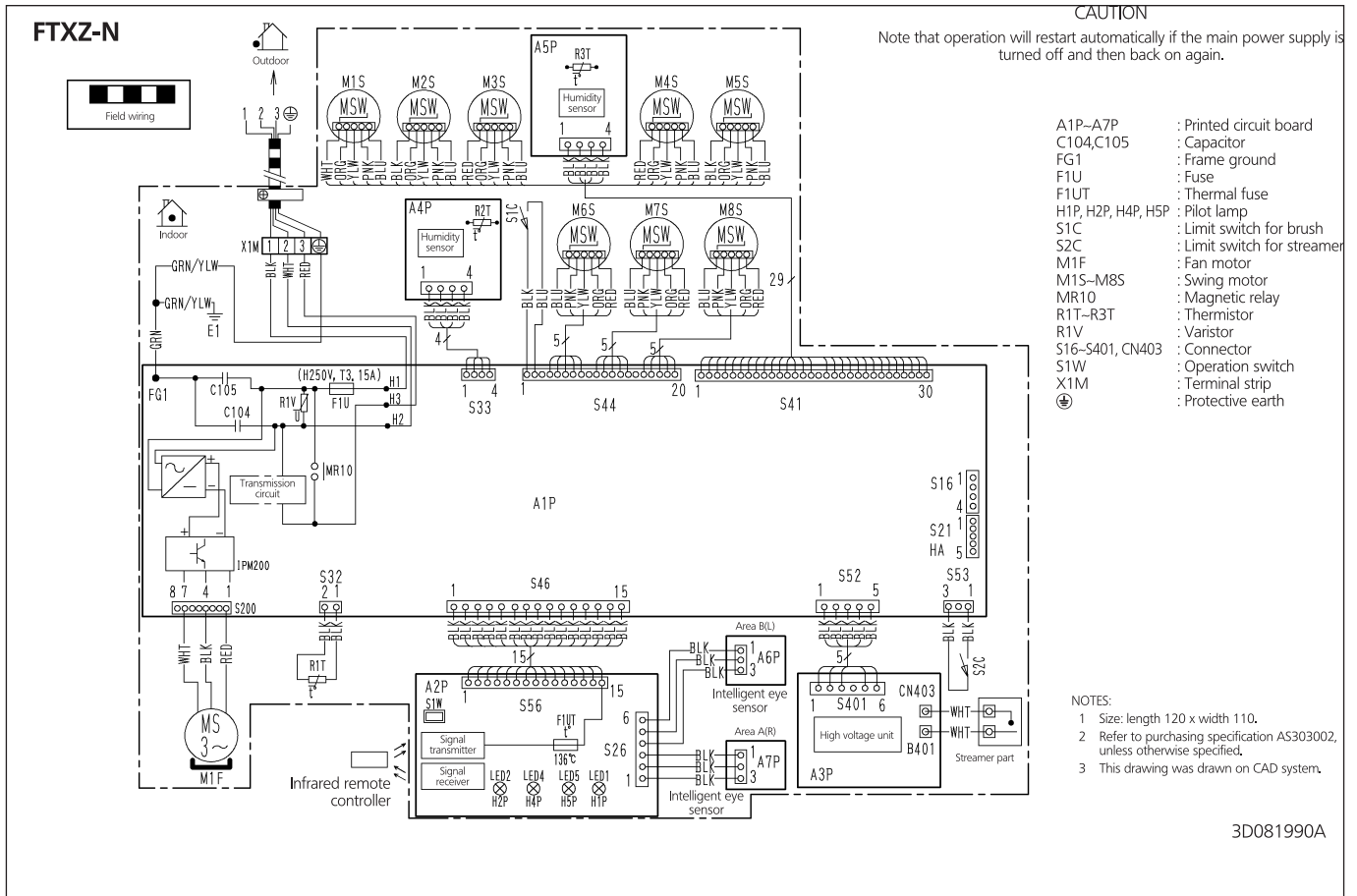
5 - 1 Piping Diagrams



6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

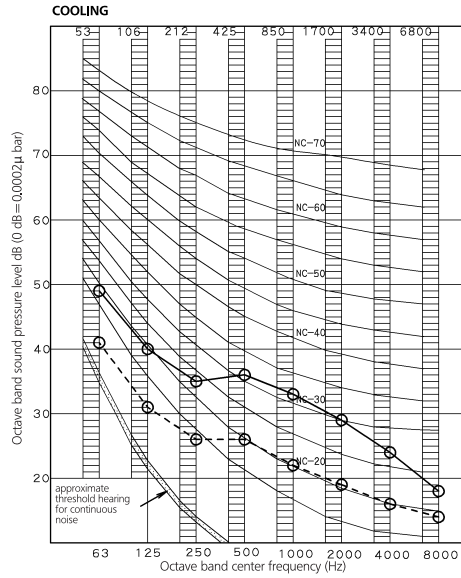
6



7 Sound data

7 - 1 Sound Pressure Spectrum - Cooling

FTXZ25N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	38	26

(dB(A) is already rectified)

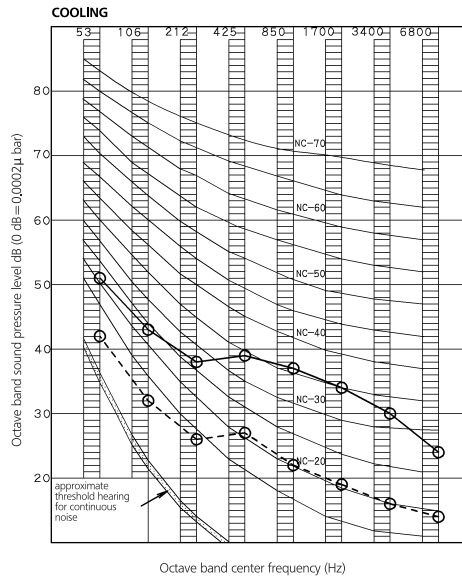
- 2 Measuring place: Measure in anechoic room
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 220-240V 50Hz; JIS standard
- 5 Standard external static pressure
- 50 Hz 220-240V (H)
- 50 Hz 220-240V (L)
- Cooling

6 Location of microphone
The operation noise measuring method is in accordance with JISC9612



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FTXZ35N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	42	27

(dB(A) is already rectified)

- 2 Measuring place: Measure in anechoic room
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 220-240V 50Hz; JIS standard
- 5 Standard external static pressure
- 50 Hz 220-240V (H)
- 50 Hz 220-240V (L)
- Cooling

6 Location of microphone
The operation noise measuring method is in accordance with JISC9612



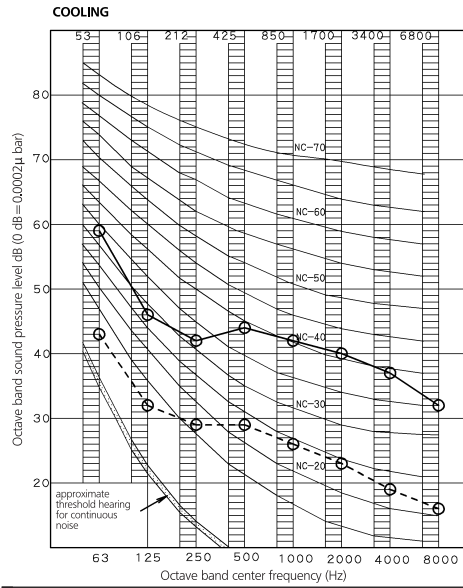
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7 Sound data

7 - 1 Sound Pressure Spectrum - Cooling

7

FTXZ50N



NOTES

- Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	47	30

(dB(A) is already notified)
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220-240V 50Hz; JIS standard
- Standard external static pressure
 - 50 Hz 220-240V (H)
 - 50 Hz 220-240V (L)
 - Cooling
- Location of microphone

The operation noise measuring method is in accordance with JISC9612

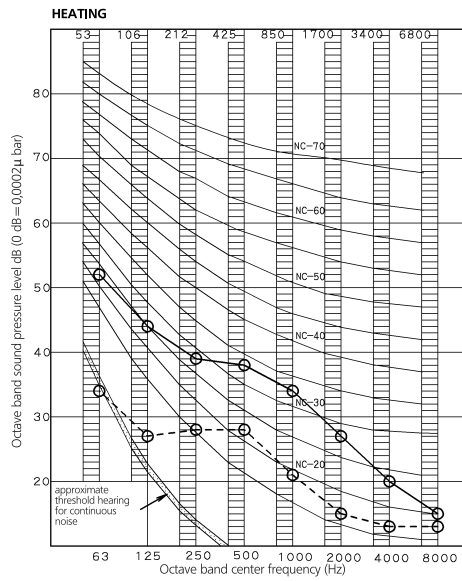


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7 Sound data

7 - 2 Sound Pressure Spectrum - Heating

FTXZ25N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	39	28

(B/G/N is already rectified)

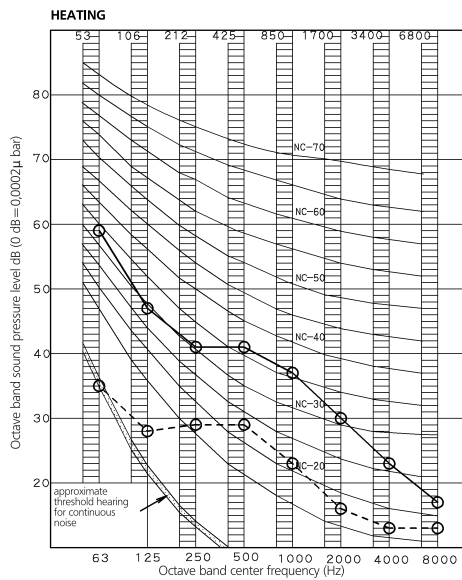
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220-240V 50Hz; JIS standard
- Standard external static pressure
- 50 Hz 220-240V (H)
 - 50 Hz 220-240V (L)
 - Heating
- Location of microphone
The operation noise measuring method is in accordance with JISC9612



3

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FTXZ35N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	42	29

(B/G/N is already rectified)

- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220-240V 50Hz; JIS standard
- Standard external static pressure
- 50 Hz 220-240V (H)
 - 50 Hz 220-240V (L)
 - Heating
- Location of microphone
The operation noise measuring method is in accordance with JISC9612



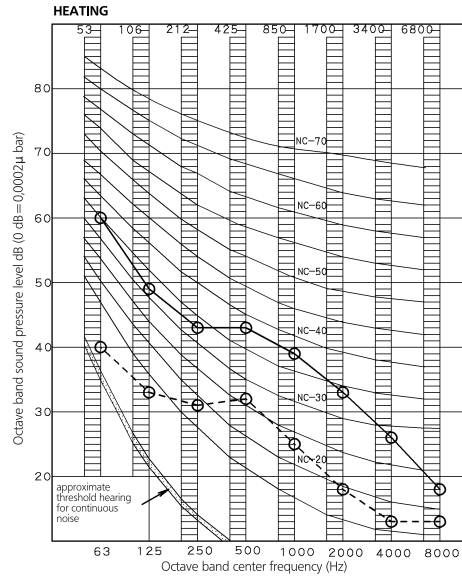
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7 Sound data

7 - 2 Sound Pressure Spectrum - Heating

7

FTXZ50N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	44	31

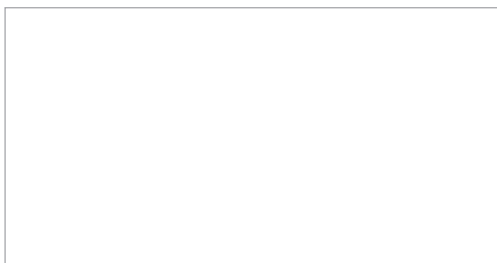
B/GN is steady-state

- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220-240V 50Hz; JIS standard
- Standard external static pressure
- 50 Hz 220-240V (H)
 - 50 Hz 220-240V (L)
 - Heating
- Location of microphone
The operation noise measuring method is in accordance with JISC9612



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