

Wall mounted unit Technical data book CTXM-R



CTXM15R2V1B
CTXM15R5V1B

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Features

1 - 1 CTXM-R

Attractive, wall mounted design with perfect indoor air quality

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- › Seasonal efficiency values up to A+++ in cooling and heating
- › 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
- › Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- › Daikin Residential controller: 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
- › 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
- › 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. (larger capacity area)



Practically inaudible



Heat boost



Daikin Residential Controller



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



Dry programme



Silver allergen removal and air purifying filter



Flash Streamer



Titanium apatite deodorising filter



Air filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control

1 Features

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Centralised
control



Auto-restart



Self diagnosis



Multi model
application

1

2 Specifications

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Technical specifications					CTXM15R	CTXM15R
Power input	Cooling	Nom.		kW		0.029
	Heating	Nom.		kW		0.023
Casing	Colour					White
Dimensions	Unit	Height		mm		295
		Width		mm		778
		Depth		mm		272
	Packed unit	Height		mm		350
		Width		mm		865
		Depth		mm		375
Weight	Unit			kg		10.0
	Packed unit			kg		12.0
Packing	Weight			kg		2.0
Heat exchanger	Heat exchanger	Length		mm		610
		Rows	Quantity			2
	Fin pitch			mm		1.4
						18
	Stages	Quantity				2.2
						ø5 Hi-XB
	Tube type	Type				ML fin (Multi louver)
						600
Heat exchanger 2	Length			mm		1
						1.4
	Rows	Quantity				8
Fan	Type					Cross flow fan
	Air flow rate	Cooling	High	m ³ /min		10.5
				cfm		370
			Medium	m ³ /min		7.5
				cfm		265
		Low		m ³ /min		5.7
				cfm		200
		Silent operation		m ³ /min		4.3
				cfm		151
	Heating	High		m ³ /min		9.3
				cfm		329
		Medium		m ³ /min		8.2
				cfm		288
Fan	Air flow rate	Heating	Low	m ³ /min		6.2
				cfm		220
				m ³ /min		5.1
				cfm		179
Fan motor	Model					MM6K11Y32VA
						5 + silent, + auto
	Speed	Cooling	High	rpm		1,060
				rpm		800
				rpm		640
				rpm		520
		Heating	High	rpm		960
				rpm		860
				rpm		690
				rpm		590
	Output	Rated		W		22
						57
						54
						41
Sound power level	Cooling	High		dBA		33
						25
						19
						39
	Heating	High		dBA		34
						26
						20
Refrigerant	Type					R-32
Piping connections	Liquid	OD		mm		6,35
						9.50
	Gas	OD		mm		18
Heat insulation						Both liquid and gas pipes
						Removable / washable
Air filter	Type					Right, Left, Horizontal, Downward
Air direction control						Microcomputer control
Temperature control						ARC466A67
Control systems	Infrared remote control					BRC073A1
	Wired remote control					

Standard accessories: Installation manual; Quantity: 1;

2 Specifications

1 - 1 CTXM-R

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Wireless remote control; Quantity: 1;

Standard accessories: AAA dry-cell batteries; Quantity: 2;

Standard accessories: Remote control holder; Quantity: 1;

Standard accessories: Mounting plate; Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter; Quantity: 1;

Standard accessories: Indoor unit fixing screws; Quantity: 2;

Standard accessories: WLAN adapter kit; Quantity: 1;

Electrical specifications				CTXM15R	CTXM15R
Power supply	Name			V1	
	Phase			1~	
	Frequency			50	
	Voltage			220-240	
Current	Nominal running current (RLA) - 50Hz	Heating		0.22	
Wiring connections - 50Hz	For power supply		Quantity	3	
			Remark	3 for power supply, 4 for interunit wiring (Earth wire included)	

Cooling: indoor temp. 27°CDB, 19.0°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

3 - 1 Options

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.

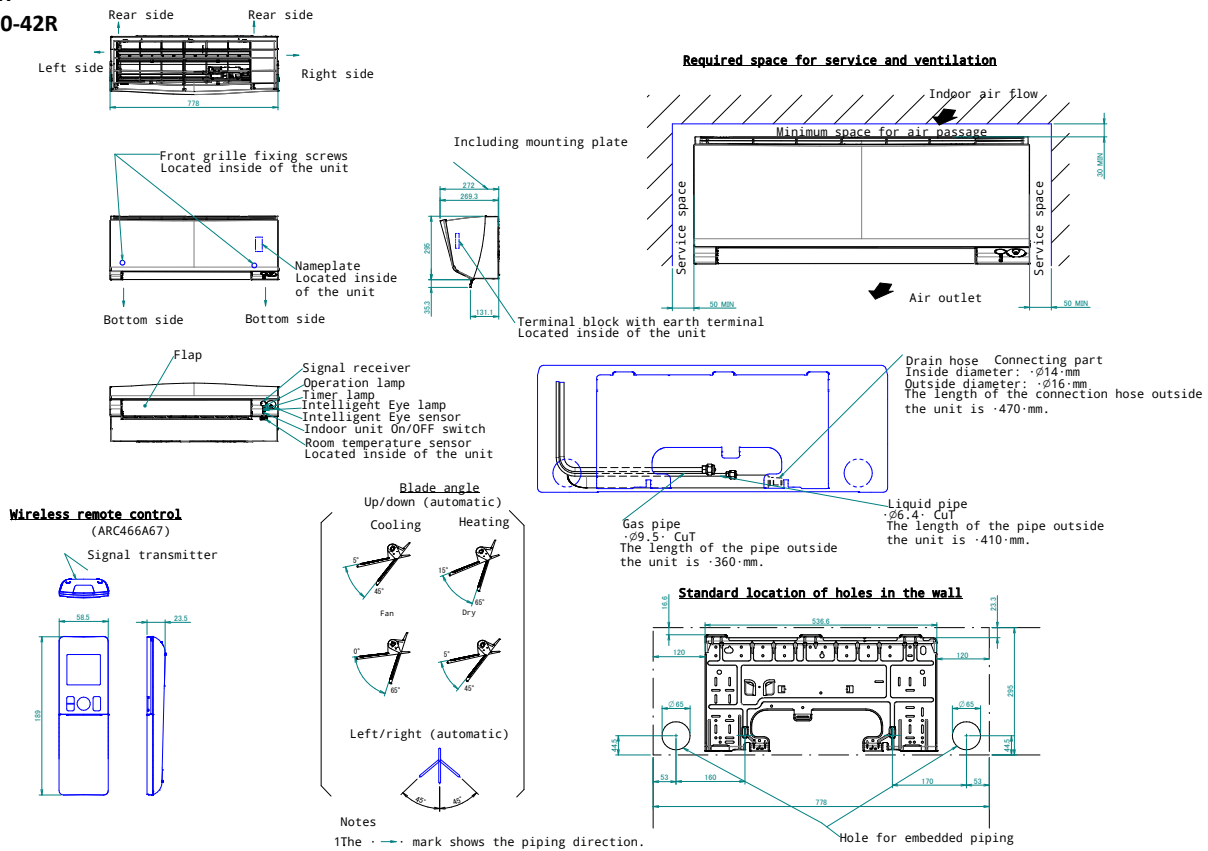
When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.

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4 Dimensional drawings

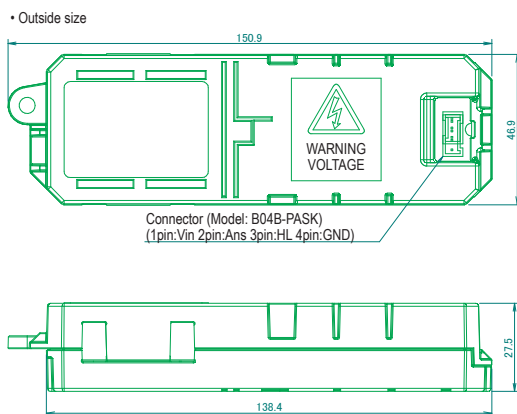
4 - 1 Dimensional Drawings

CTXM-R FTXM20-42R



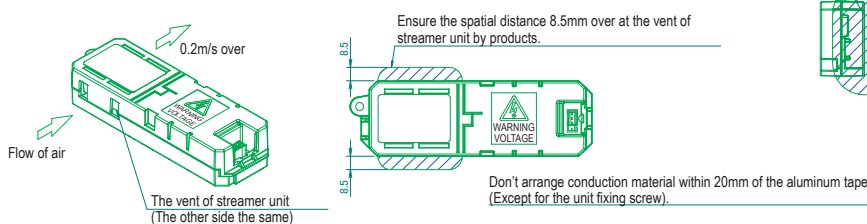
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CTXM-R FTXM-R



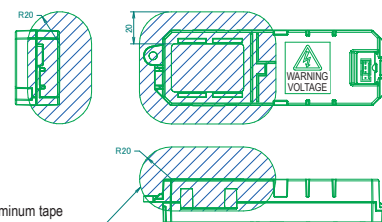
• Method of mounting

Don't blockage the vent of streamer unit.
Ensure the exit wind speed 0.2m/sec of the vent.
Ensure the spatial distance 8.5mm over at the vent of streamer unit.



• Main specifications

Items	Contents
Outside	Outside size Weight
Material of resin	Material Flame retardance Tracking index
Applicable laws	Electrical Appliance and Material Safety Act IEC60335-1(4th), IEC60335-2-65(4th)
Ambient conditions	Storage temperature Operating ambient temperature Operating ambient humidity
Basic specifications	Input voltage Maximum output voltage Rating output voltage Rating output current ON/OFF Hi ↔ Lo Switching Current monitor Detectable over current Detectable low voltage
Generation amount of Ozone	4.26ml/hr (Hi 14±2% 50±10%RH)
Method of mounting	Fixing by the right and left hook Fixing by the screw section



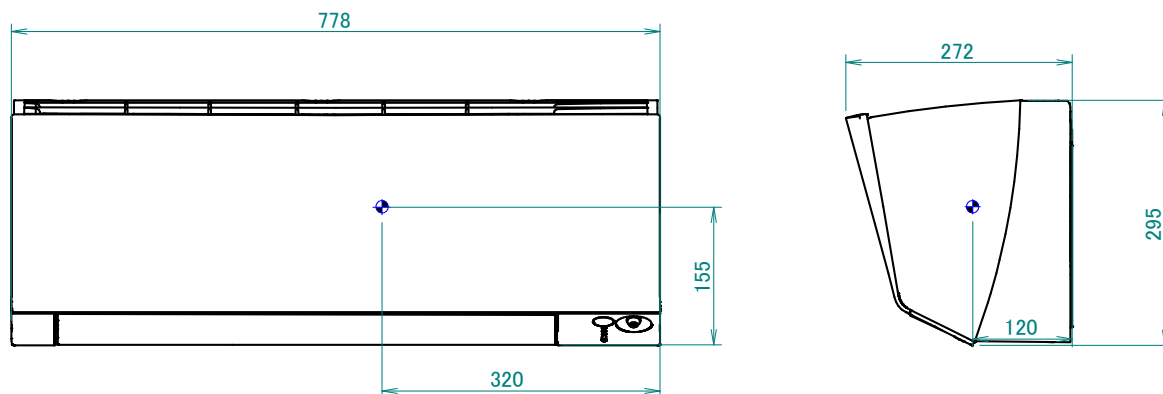
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5 Centre of gravity

5 - 1 Centre of Gravity

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6 Piping diagrams

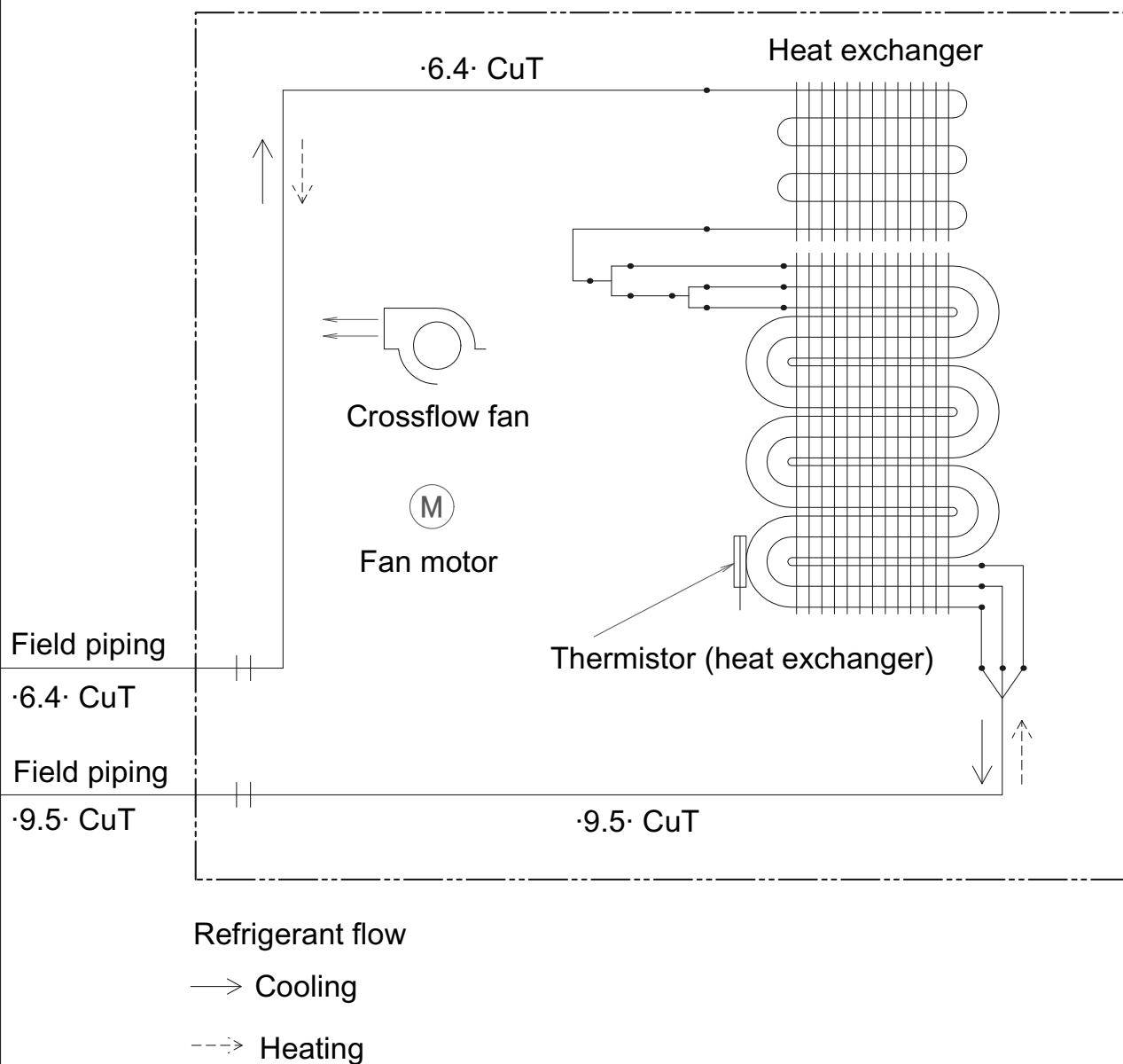
6 - 1 Piping Diagrams

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Indoor unit



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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

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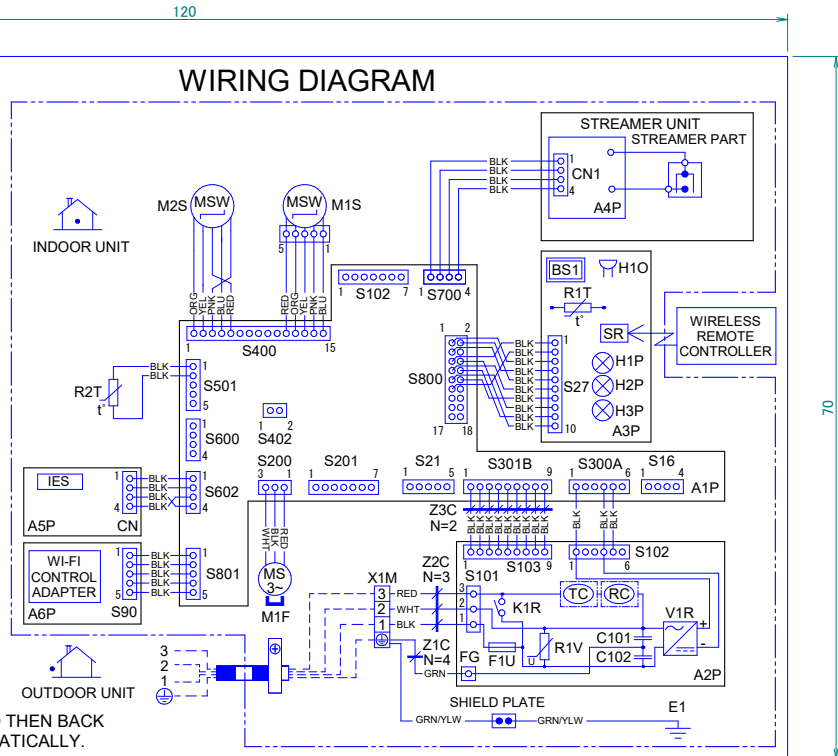
CONNECTOR	: CN, CN1, S16~801
TERMINAL	: FG
TERMINAL BLOCK	: X1M
FUSE (T, 3.15A, 250V)	: F1U
MOTOR (INDOOR FAN)	: M1F
MOTOR (SWING FLAP)	: M1~2S
PRINTED CIRCUIT	: A1~6P
THERMISTOR	: R1T, R2T
INTELLIGENT EYE SENSOR	: IES
BUTTON SWITCH	: BS1
PILOT LAMP	: H1~3P
SIGNAL RECEIVER	: SR
BUZZER	: H1O
FERRITE CORE	: Z1~3C
HEAT EXCHANGER	: E1
MAGNETIC RELAY	: K1R
RECTIFIER	: V1R
CAPACITOR	: C101, C102
TRANSMITTER CIRCUIT	: TC
RECEIVER CIRCUIT	: RC
PROTECTIVE EARTH	: E1
VARIATOR	: R1V

WIRE COLORS	
BLK	: BLACK
YLW	: YELLOW
RED	: RED
BLU	: BLUE
ORG	: ORANGE
GRN	: GREEN
PNK	: PINK

FIELD WIRING

CAUTION:

WHEN THE MAIN POWER IS TURNED OFF AND THEN BACK ON AGAIN, OPERATION WILL RESUME AUTOMATICALLY.



NOTES:

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

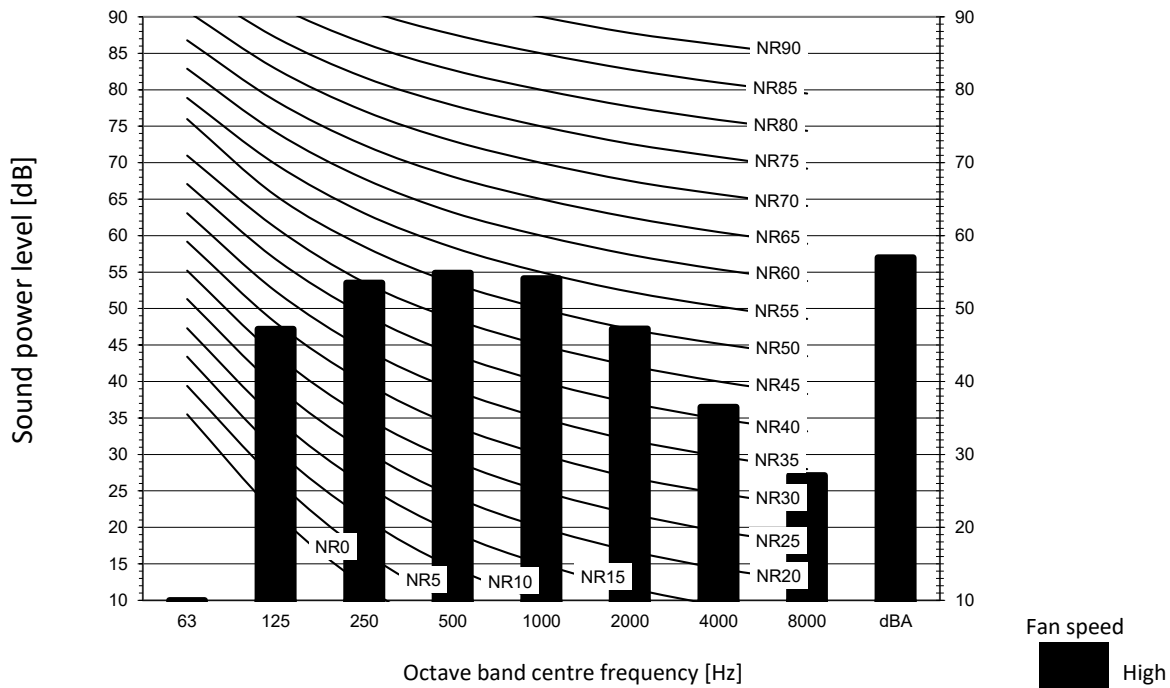
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8 Sound data

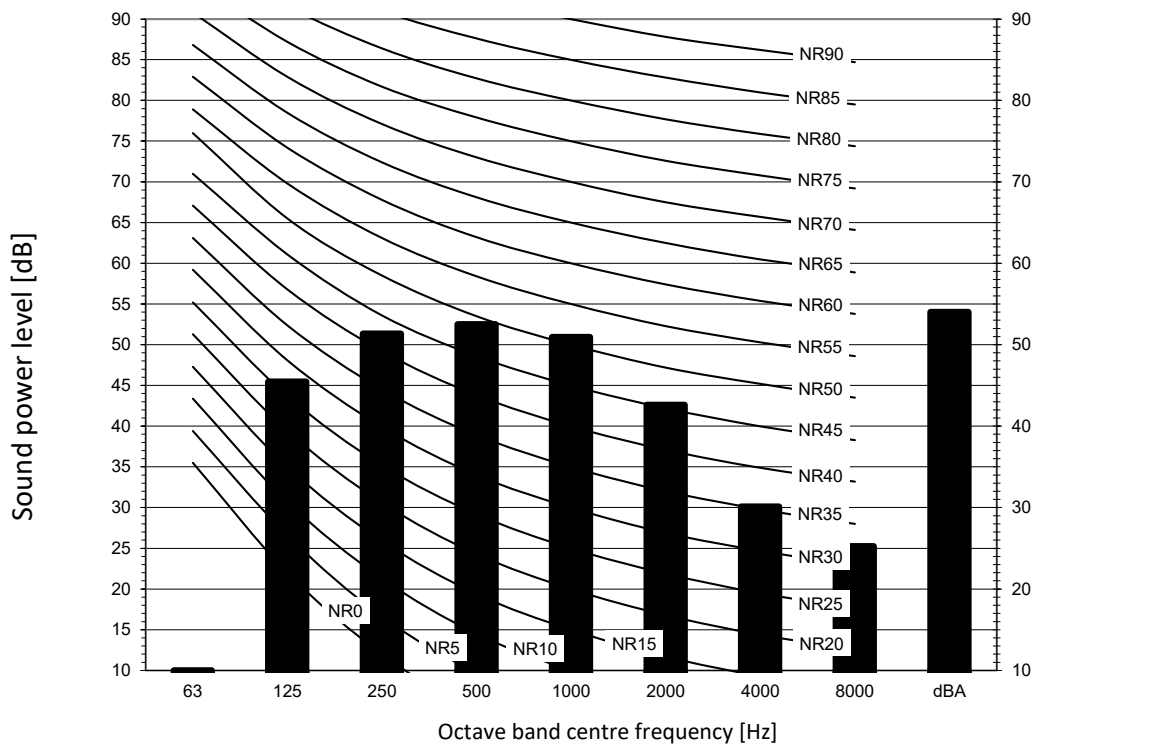
8 - 1 Sound Power Spectrum

CTXM-R

Cooling mode



Heating mode



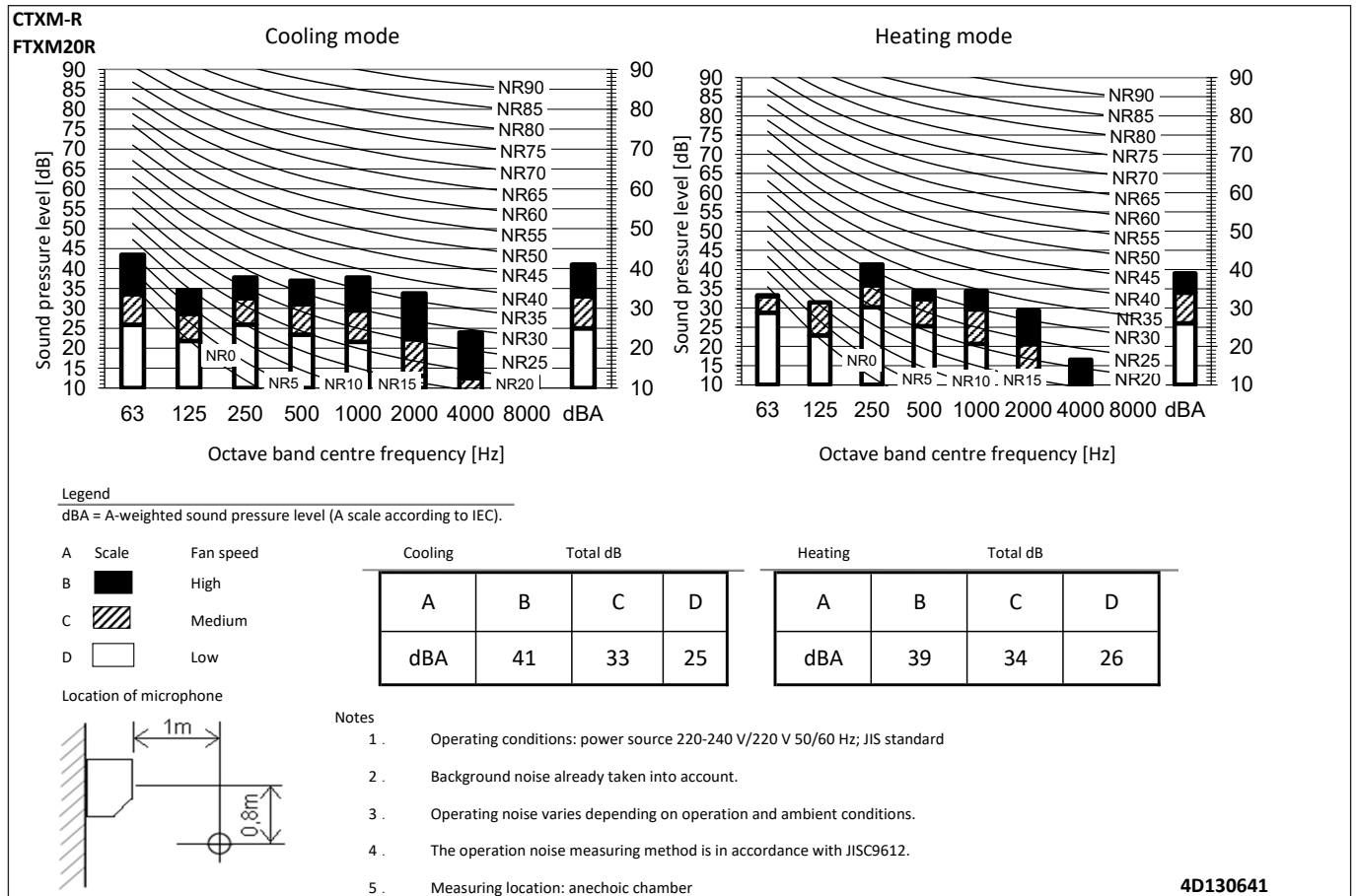
Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 μ Pa
3. Measured according to ISO 3744

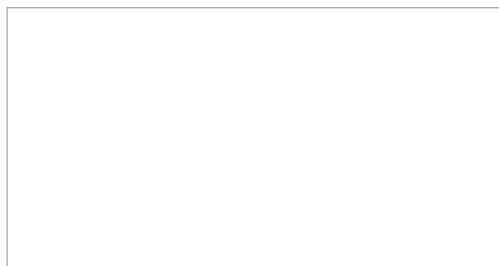
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8 Sound data

8 - 2 Sound Pressure Spectrum



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