

Air Conditioning  
Technical Data

**ATXM-M**



- > ATXM20M2V1B
- > ATXM25M2V1B
- > ATXM35M2V1B
- > ATXM50M2V1B



# TABLE OF CONTENTS

## ATXM-M

1	Features .....	2
2	Specifications .....	3
	Technical Specifications .....	3
	Electrical Specifications .....	4
3	Options .....	5
4	Dimensional drawings .....	7
5	Centre of gravity .....	8
6	Piping diagrams .....	10
7	Wiring diagrams .....	12
	Wiring Diagrams - Single Phase .....	12
8	Sound data .....	14
	Sound Pressure Spectrum .....	14

# 1 Features

Attractive, wall mounted Siesta unit with perfect indoor air quality

- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 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.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating
- 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

1



Practically inaudible



Econo mode



2 area motion detection sensor



Movement 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



Flash Streamer



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Online controller via app



Auto-restart



Self diagnosis



Multi model application

## 2 Specifications

2-1 Technical Specifications				ATXM20M	ATXM25M	ATXM35M	ATXM50M	
Power input	Cooling	Nom.	kW	0.030		0.035	0.030	
	Heating	Nom.	kW	0.025			0.032	
Casing	Colour			White				
Dimensions	Unit	Height/Width/Depth	mm	294/811/272			300/1,040/295	
	Packed unit	Height/Width/Depth	mm	350/865/375			397/1,115/377	
Weight	Unit		kg	10.0			14.5	
	Packed unit		kg	12			17	
Packing	Weight		kg	2.0			2.5	
Heat exchanger	Length		mm	610			820	
	Rows	Quantity		2				
	Fin pitch		mm	1.40				
	Stages	Quantity		18				
	Passes	Quantity		2.2		6.0		
	Tube type			ø5 Hi-XB				
	Fin	Type		ML fin (Multi louver)				
Heat exchanger 2	Length		mm	600			810	
	Rows	Quantity		1				
	Fin pitch		mm	1.40				
	Stages	Quantity		4		8		
Air filter	Type			Removable / washable				
Fan	Type			Cross flow fan				
	Air flow rate	Cooling	High	m³/min	11.1		12.6	16.5
				cfm	392		445	583
			Medium	m³/min	7.9	8.1	8.3	14.2
				cfm	280	286	293	502
			Low	m³/min	6.0	6.2	6.4	11.6
				cfm	212	219	226	410
		Silent operation	m³/min	4.4		4.6	10.3	
			cfm	155		162	364	
		Heating	High	m³/min	10.4			17.1
				cfm	367			604
			Medium	m³/min	8.7	9.0	9.0	14.6
				cfm	307	318	318	516
	Low		m³/min	6.5	6.8	7.1	12.2	
cfm			230	240	251	431		
Silent operation	m³/min	5.3			10.7			
	cfm	187			378			
Fan motor	Quantity			1				
	Model			MM6K11S20VA			MM9E17S21VA	
	Speed	Steps		5 + silent, + auto				
		Cooling	High/Medium/Low/Silent operation	rpm	1,070/800/640/520	1,070/820/660/520	1,190/840/680/530	1,030/910/780/710
				rpm	1,000/860/690/590	1,000/860/710/590	1,000/900/730/590	1,060/930/810/730
		Heating	High/Medium/Low/Silent operation	rpm	1,000/860/690/590	1,000/860/710/590	1,000/900/730/590	1,060/930/810/730
rpm	1,000/860/690/590			1,000/860/710/590	1,000/900/730/590	1,060/930/810/730		
Output	Rated	W	22			46		
Sound power level	Cooling		dBA	58		60	59	

## 2 Specifications

2

2-1 Technical Specifications				ATXM20M	ATXM25M	ATXM35M	ATXM50M
Sound pressure level	Cooling	High/Medium/ Low/Silent operation	dBA	41/33/25/19		45/33/29/19	44/40/36/32
	Heating	High/Medium/ Low/Silent operation	dBA	39/34/26/20	39/34/27/20	39/35/28/20	43/39/34/31
Control systems	Infrared remote control		ARC466A33				
	Wired remote control		BRC944B2 / BRC073A1				BRC944B2 / BRC073
Refrigerant	Type		R-32				
Piping connections	Liquid	OD	6,35				
	Gas	OD	9.50				12.7
	Drain	18					
	Heat insulation		Both liquid and gas pipes				
Temperature control			Microcomputer control				
Air direction control			Right, Left, Horizontal, Downward				

Standard Accessories : ; Quantity : Titanium apatite photocatalytic air purification filter without frame;

Standard Accessories : Installation manual; Quantity : 1;

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;

2-2 Electrical Specifications				ATXM20M	ATXM25M	ATXM35M	ATXM50M
Power supply	Name		V1				
	Phase		1~				
	Frequency	Hz	50				
	Voltage	V	220-240				
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.22		0.25	0.20
		Heating	A	0.17			0.22
Wiring connections - 50Hz	For power supply	Quantity	3				
		Remark	3 for power supply, 4 for interunit wiring (Earth wire included)				

# 3 Options

## 3 - 1 Options

### ATXM20-35M

#### Legend

- ① Three-dimensional knitted fabric (42x275mm) + activated charcoal net
- ② Three-dimensional knitted fabric (42x255mm) + activated charcoal net
- ③ Corrugated fiberboard (42x275mm)
- 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

Option kit	Product name	Remark	Applicable models		Class	Casing	Factory
			FTXJ20LV1BW	FTXJ20LV1BS			
Wired remote control	BRC073A1		✓	✓	20	EMUR2	DiCz
Wired remote control	BRC944B2		✓	✓	20	EMUR2	DiCz
Extension cord for wired remote control (3m)	BRCW901A03		✓	✓	25	EMUR2	DiCz
Extension cord for wired remote control (5m)	BRCW901A08		✓	✓	25	EMUR2	DiCz
Interface adapter for wired remote control	KRP980B1		✓	✓	35	EMUR2	DiCz
Interface adapter for wired remote control	EKRP067A41		✓	✓	35	EMUR2	DiCz
Interface adapter for wired remote control	EKRP980B2		✓	✓	35	EMUR2	DiCz
Centralised control board (up to 5 rooms)	KRC72A		✓	✓	50	EMUR2	DiCz
Wiring adapter (normal open contact - normal open pulse contact)	KRP413AB1S		✓	✓	50	EMUR2	DiCz
Wi-Fi adapter for smartphones	BRP069B41	(4) (5)	✓	✓	20	SCW	DiCz
Wi-Fi adapter for smartphones	BRP069B42	(5)	✓	✓	25	SCW	DiCz
Wi-Fi adapter for smartphones	BRP069B43	(5)	✓	✓	35	MCW	DiCz
Wi-Fi adapter for smartphones	BRP069A44	(6)	✓	✓	42	MCW	DiCz
Wi-Fi adapter for smartphones	BRP069B45	(5)	✓	✓	50	MCW	DiCz
Interface adapter for DIII-NET	KRP928BB2S		✓	✓	25	SF4	DiL(B)
Central remote control	DCS302CA51		✓	✓	35	SF4	DiL(B)
Unified ON/OFF controller	DCS301BA51		✓	✓	50	SF4	DiL(B)
Schedule timer	DST301BA51		✓	✓	20	BMS-R32	DiCz
Titanium apatite deodorising filter without frame	KAF971A42	(1)	✓	✓	25	BMS-R32	DiCz
Titanium apatite deodorising filter without frame	KAF952B42	(3)	✓	✓	35	BMS-R32	DiCz
Titanium apatite deodorising filter without frame	KAF970A46	(2)	✓	✓	20	BMS-R32	DiCz
Honeycomb deodorising and air-purifying filter without frame	KAF968A42		✓	✓	25	BMS-R32	DiCz
Honeycomb deodorising filter with frame	KAZ917B41		✓	✓	25	BMS-R32	DiCz
Honeycomb deodorising filter without frame	KAZ917B42		✓	✓	35	BMS-R32	DiCz
Air-purifying filter with frame	KAF925B41		✓	✓	25	06-FV	DiL(B)
Honeycomb deodorising and air-purifying filter with frame	KAF046A41		✓	✓	35	06-FV	DiL(B)
Anti-theft protection for remote control	KKF910AA4		✓	✓	50	06-FV	DiL(B)
Anti-theft protection for remote control	KKF917AA4		✓	✓	25	06-FV	DiL(B)
Anti-theft protection for remote control	KKF936A4		✓	✓	35	06-FV	DiL(B)
Installation frame for floor-standing units	BKS028A4	(7)	✓	✓	50	06-FV	DiL(B)
Optional remote control BRC480A54 for heating-only indoor units	BRC54A		✓	✓			

3D095173N

### ATXM20-35M

#### Legend

- ① Three-dimensional knitted fabric (42x275mm) + activated charcoal net
- ② Three-dimensional knitted fabric (42x255mm) + activated charcoal net
- ③ Corrugated fiberboard (42x275mm)
- 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

Option kit	Product name	Remark	Applicable models		Class	Casing	Factory
			CTXM15M2V1B	FTXM20M2V1B			
Wired remote control	BRC073A1		✓	✓	15	New Mainstream	DiCz
Wired remote control	BRC944B2		✓	✓	20	New Mainstream	DiCz
Extension cord for wired remote control (3m)	BRCW901A03		✓	✓	25	New Mainstream	DiCz
Extension cord for wired remote control (5m)	BRCW901A08		✓	✓	35	New Mainstream	DiCz
Interface adapter for wired remote control	KRP980B1		✓	✓	42	New Mainstream	DiCz
Interface adapter for wired remote control	EKRP067A41		✓	✓	50	New Mainstream	DiCz
Interface adapter for wired remote control	EKRP980B2		✓	✓	60	New Mainstream	DiCz
Centralised control board (up to 5 rooms)	KRC72A		✓	✓	71	New Mainstream	DiCz
Wiring adapter (normal open contact - normal open pulse contact)	KRP413AB1S		✓	✓	20	New Mainstream	DiCz
Wi-Fi adapter for smartphones	BRP069B41	(4) (5)	✓	✓	20	New Mainstream	DiCz
Wi-Fi adapter for smartphones	BRP069B42	(5)	✓	✓	25	New Mainstream	DiCz
Wi-Fi adapter for smartphones	BRP069B43	(5)	✓	✓	35	New Mainstream	DiCz
Wi-Fi adapter for smartphones	BRP069A44	(6)	✓	✓	50	New Mainstream	DiCz
Wi-Fi adapter for smartphones	BRP069B45	(5)	✓	✓	50	New Mainstream	DiCz
Interface adapter for DIII-NET	KRP928BB2S		✓	✓	20	EMUR2	DiCz
Central remote control	DCS302CA51		✓	✓	20	EMUR2	DiCz
Unified ON/OFF controller	DCS301BA51		✓	✓	25	EMUR2	DiCz
Schedule timer	DST301BA51		✓	✓	25	EMUR2	DiCz
Titanium apatite deodorising filter without frame	KAF971A42	(1)	✓	✓	35	EMUR2	DiCz
Titanium apatite deodorising filter without frame	KAF952B42	(3)	✓	✓	35	EMUR2	DiCz
Titanium apatite deodorising filter without frame	KAF970A46	(2)	✓	✓	50	EMUR2	DiCz
Honeycomb deodorising and air-purifying filter without frame	KAF968A42		✓	✓	50	EMUR2	DiCz
Honeycomb deodorising filter with frame	KAZ917B41		✓	✓	20	BMS-R32	DiCz
Honeycomb deodorising filter without frame	KAZ917B42		✓	✓	25	BMS-R32	DiCz
Air-purifying filter with frame	KAF925B41		✓	✓	35	BMS-R32	DiCz
Honeycomb deodorising and air-purifying filter with frame	KAF046A41		✓	✓	20	BMS-R32	DiCz
Anti-theft protection for remote control	KKF910AA4		✓	✓	25	BMS-R32	DiCz
Anti-theft protection for remote control	KKF917AA4		✓	✓	35	BMS-R32	DiCz
Anti-theft protection for remote control	KKF936A4		✓	✓	20	BMS-R32	DiCz
Installation frame for floor-standing units	BKS028A4	(7)	✓	✓	25	BMS-R32	DiCz
Optional remote control BRC480A54 for heating-only indoor units	BRC54A		✓	✓	35	BMS-R32	DiCz

3D095173N

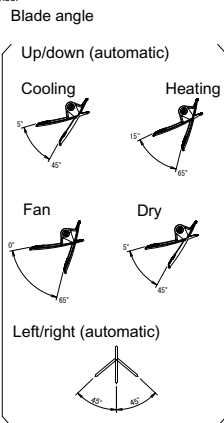
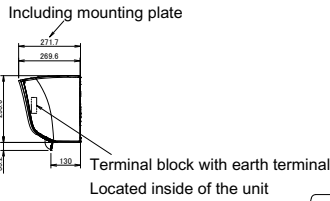
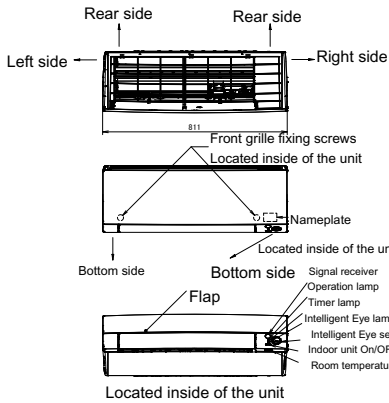




# 4 Dimensional drawings

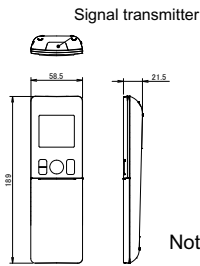
## 4 - 1 Dimensional Drawings

### ATXM20-35M



Wireless remote control

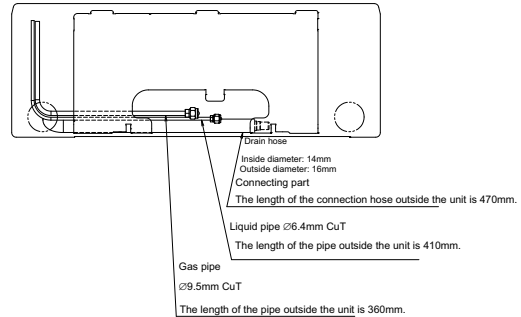
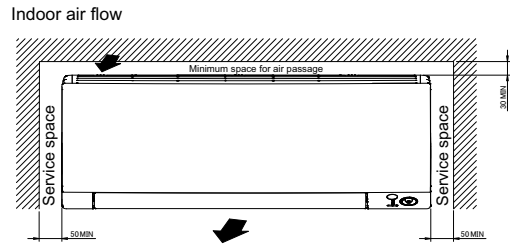
(ARC466A33)



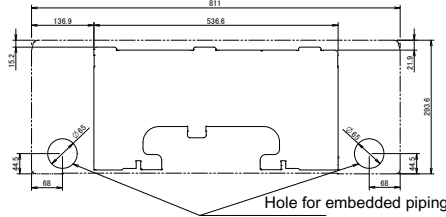
Notes

1. The ——— mark shows the piping direction.

#### Required space for service and ventilation



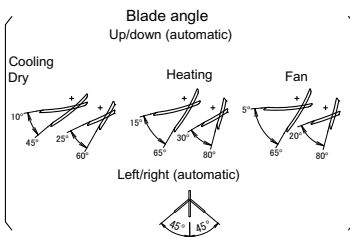
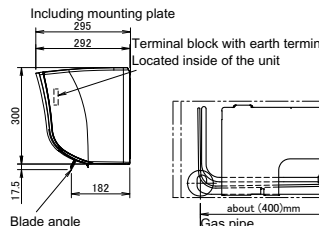
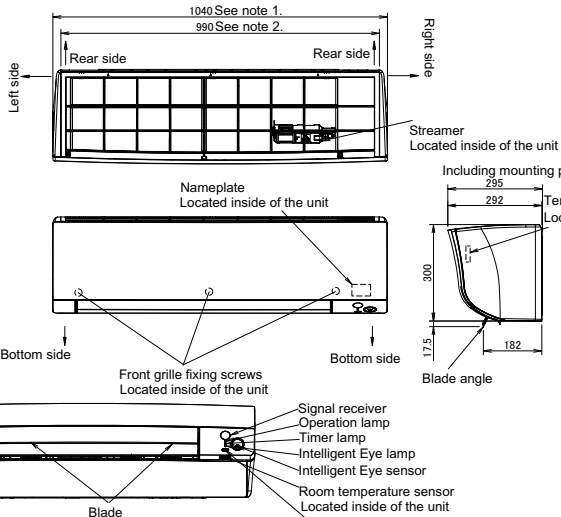
#### Standard location of holes in the wall



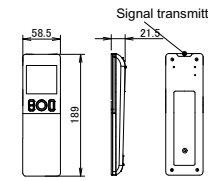
2D100063B

### ATXM50M

The ——— mark shows the piping direction.

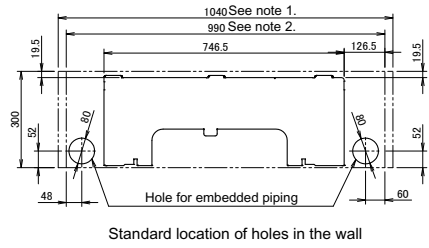
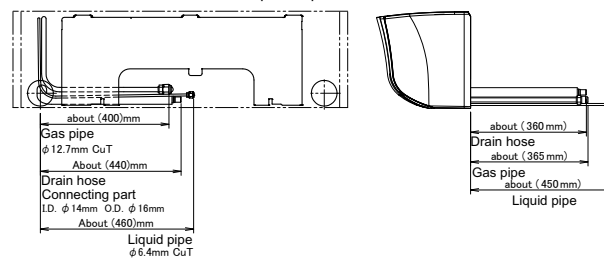
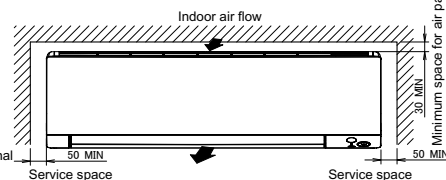


Wireless remote control (ARC466A33)



Notes

- Total width of unit
- Width of unit against the wall

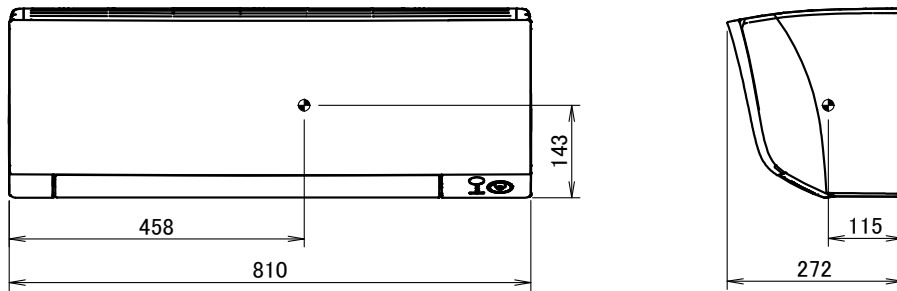


3D101370B

## 5 Centre of gravity

### 5 - 1 Centre of Gravity

#### ATXM20-35M



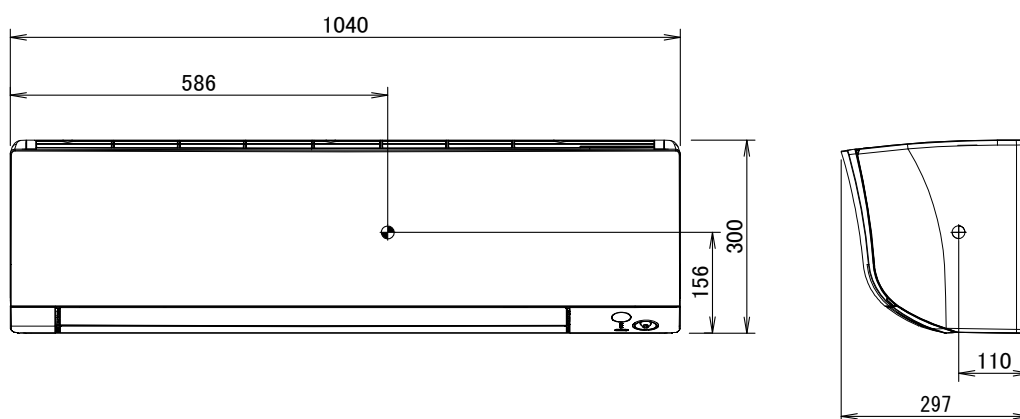
5

4D100152

# 5 Centre of gravity

## 5 - 1 Centre of Gravity

### ATXM50M



4D101334

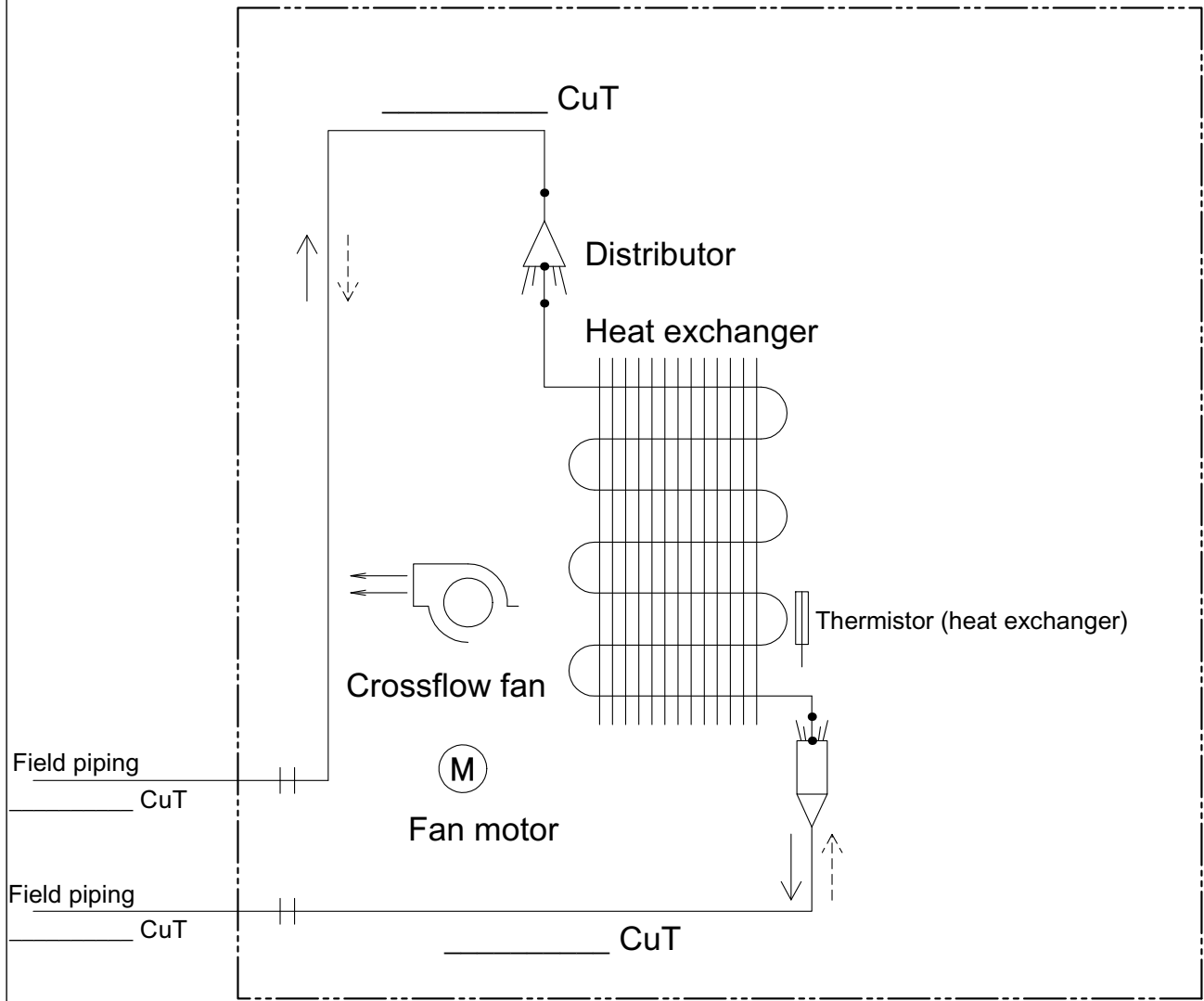
# 6 Piping diagrams

## 6 - 1 Piping Diagrams

6

ATXM50M

### Indoor unit



Refrigerant flow

→ Cooling

- - - → Heating

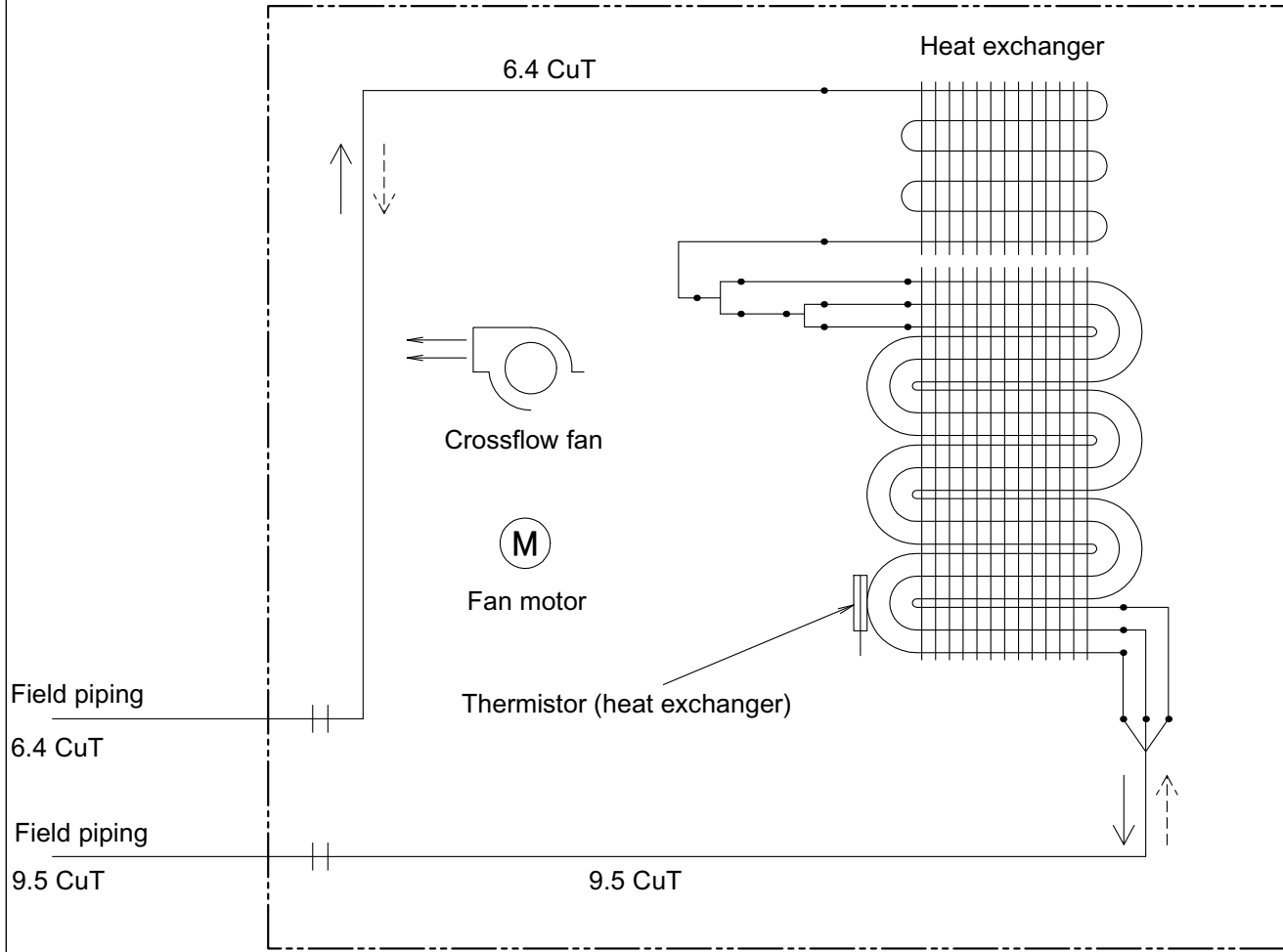
4D101332D

# 6 Piping diagrams

## 6 - 1 Piping Diagrams

ATXM20-35M

### Indoor unit



Refrigerant flow  
 —> Cooling  
 - - -> Heating

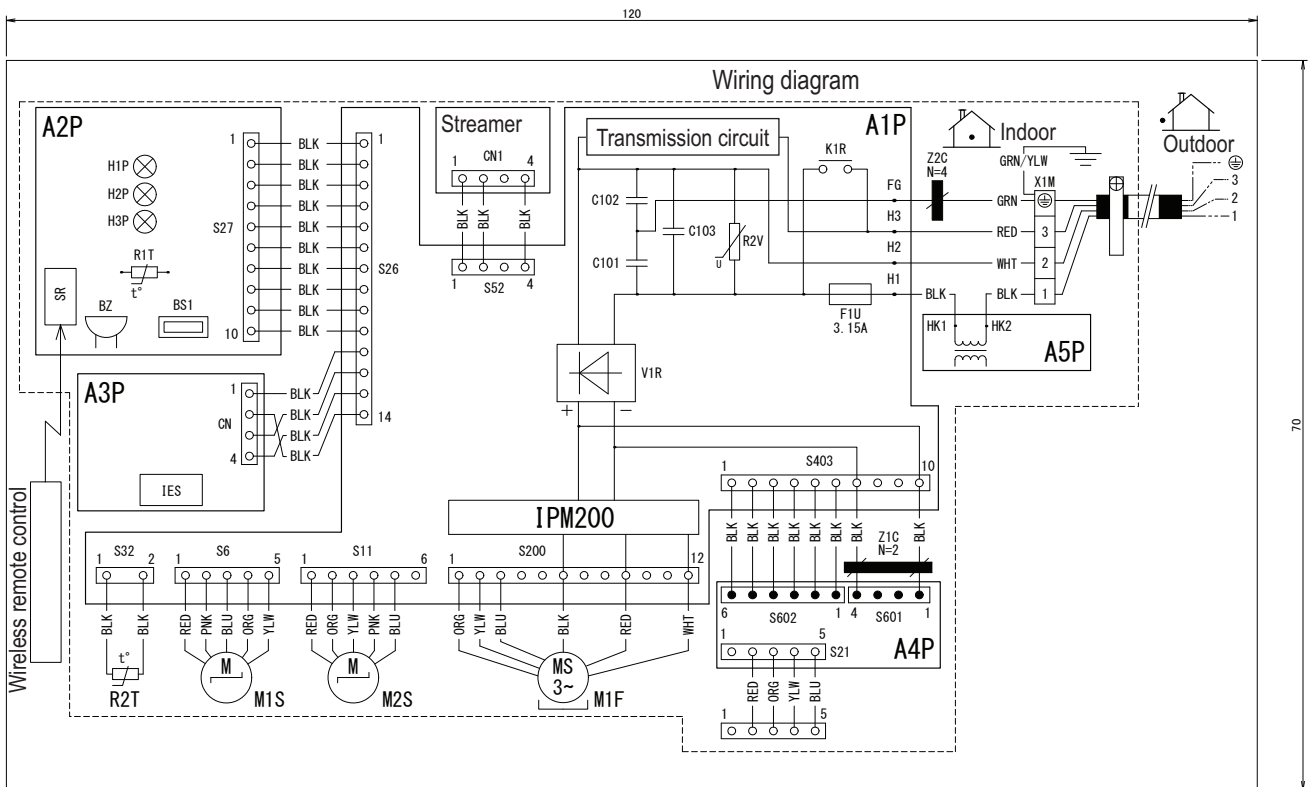
4D098106B

# 7 Wiring diagrams

## 7 - 1 Wiring Diagrams - Single Phase

7

### ATXM20-35M



A1~5P	Printed circuit board
BS1	Operation switch
BZ	Buzzer
C101~103	Capacitor
F1U	Fuse
FG	Frame ground
H1, H2, H3, HK1, HK2	Harness
H1~3P	Light-emitting diode
IES	Intelligent Eye sensor
IPM200	Intelligent power module
K1R	Magnetic relay
M1F	Fan motor
M1S, M2S	Swing motor
R1T, R2T	Thermistor
R2V (V2)	Varistor
SR	Signal receiver
S6~S602, CN1, CN2	Connector
V1R	Diode bridge
S1M	Terminal strip
Z1C, Z2C	Ferrite core

⊕ : Protective earth

▬ : Field wiring

### WIRE COLORS

- BLK : Black
- BLU : Blue
- BRN : Brown
- GRN : Green
- ORG : Orange
- PNK : Pink
- RED : Red
- WHT : White
- YLW : Yellow

### CAUTION

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

### NOTES

1. Size: length 70 X width 120.
2. Refer to purchasing specification AS303002, unless otherwise specified.

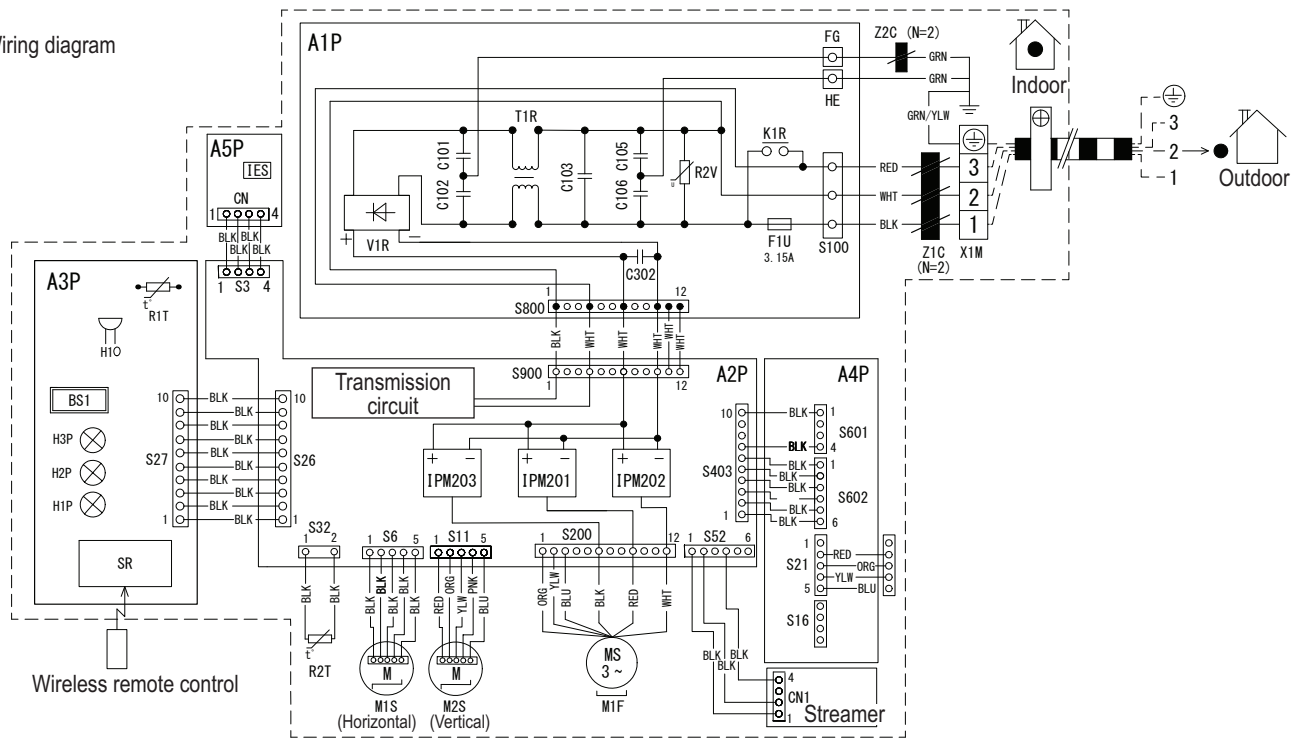
3D098117D

# 7 Wiring diagrams

## 7 - 1 Wiring Diagrams - Single Phase

### ATXM50M

Wiring diagram



IES	Intelligent Eye sensor
FG, HE, S6~S900, CN, CN1	Connector
F1U (FU1)	Fuse
T1R (L301)	Transformer
M1F	Fan motor
M1S, M2S	Swing motor
K1R (MR10)	Magnetic relay
A1P~A5P	Printed circuit board
R1T, R2T	Thermistor
BS1 (S1W)	Operation switch
R2V (V2)	Varistor
X1M	Terminal strip
Z1C, Z2C	Ferrite core
IPM201~203	Intelligent power module
H1P, H2P, H3P (LED~1 3)	Pilot lamp
V1R(DB301)	Diode bridge
H1O(BZ)	Buzzer
C101~302	Capacitor
SR(WLU)	Signal receiver
Streamer	Streamer

⊕ : Protective earth

▬ : Field wiring

### WIRE COLORS

- BLK : Black
- BLU : Blue
- BRN : Brown
- GRN : Green
- ORG : Orange
- PNK : Pink
- RED : Red
- WHT : White
- YLW : Yellow

### CAUTION

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

### NOTES

1. Size: length 65 X width 110.
2. Refer to purchasing specification AS303002, unless otherwise specified.

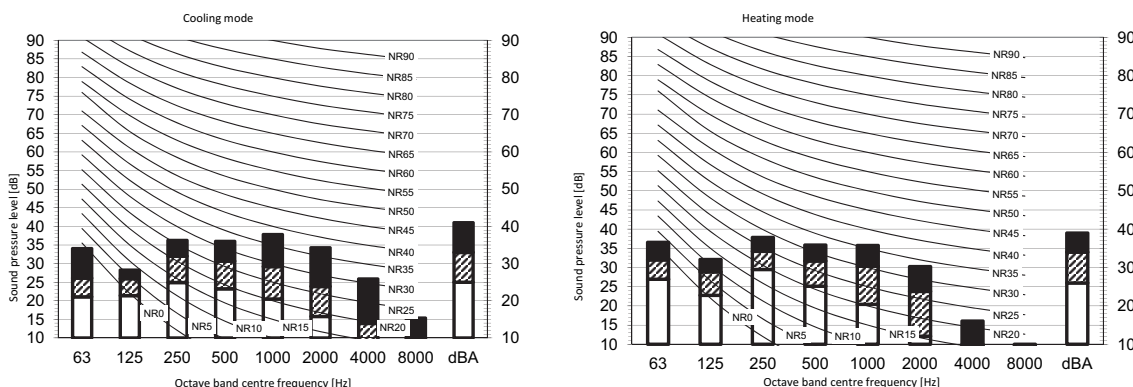
3D100231B

# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

8

### ATXM20M



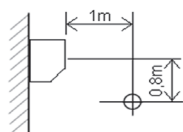
**Legend**

dBA = A-weighted sound pressure level (A scale according to IEC).

**A Scale**

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



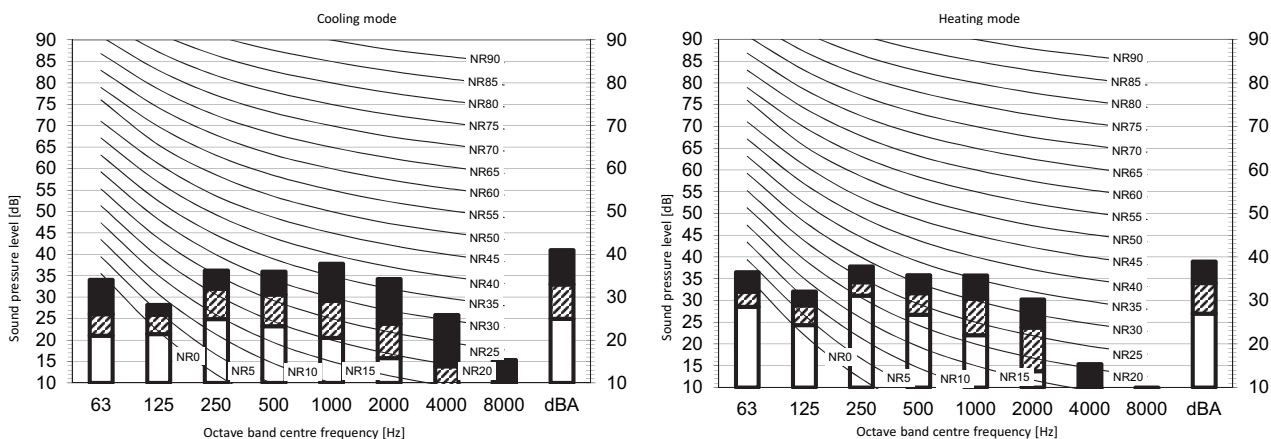
Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	41	33	25	dBA	39	34	26

**Notes**

- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D101042A

### ATXM25M



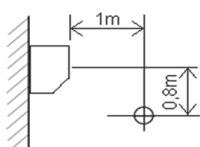
**Legend**

dBA = A-weighted sound pressure level (A scale according to IEC).

**A Scale**

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	41	33	25	dBA	39	34	27

**Notes**

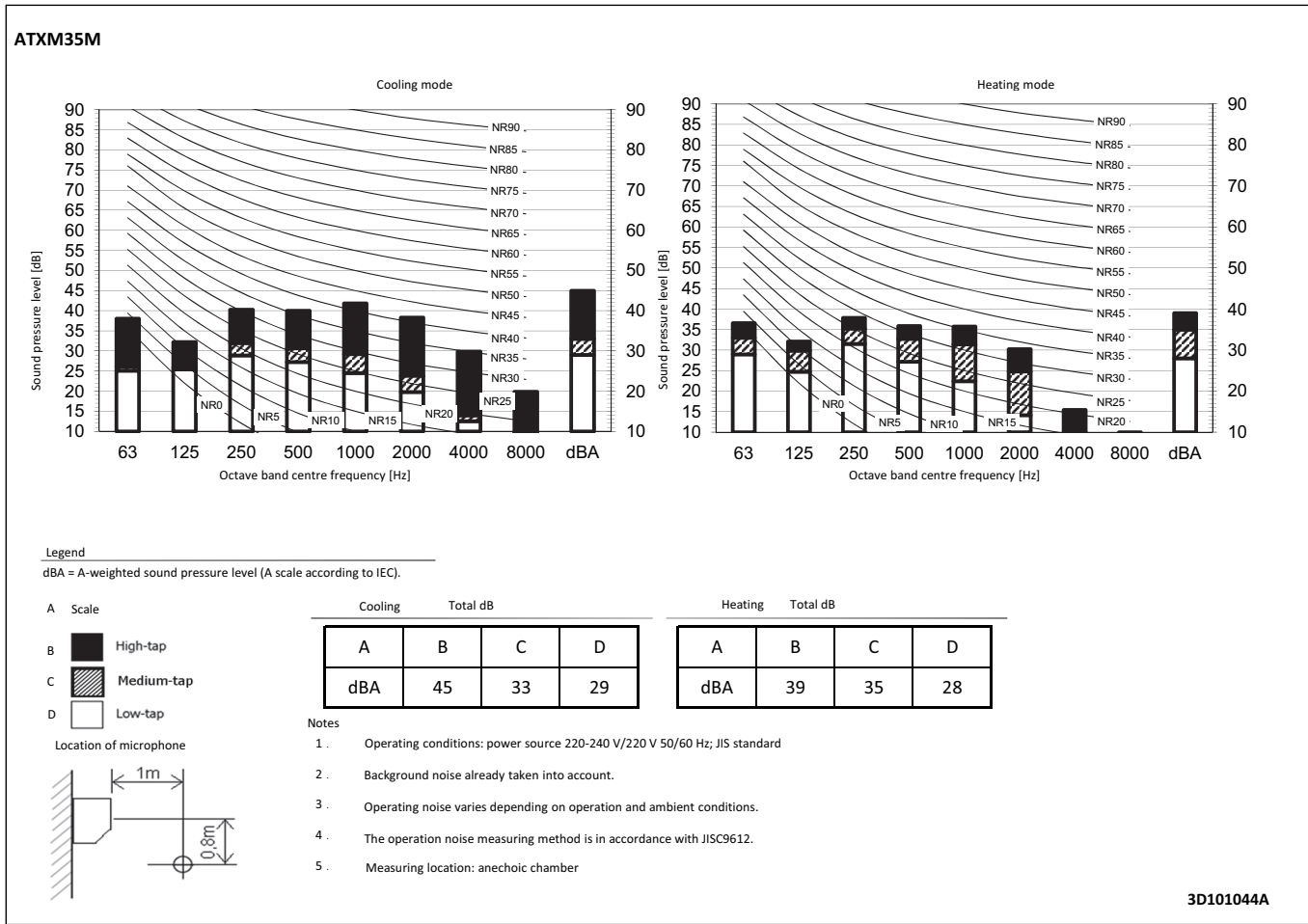
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D101043A



# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

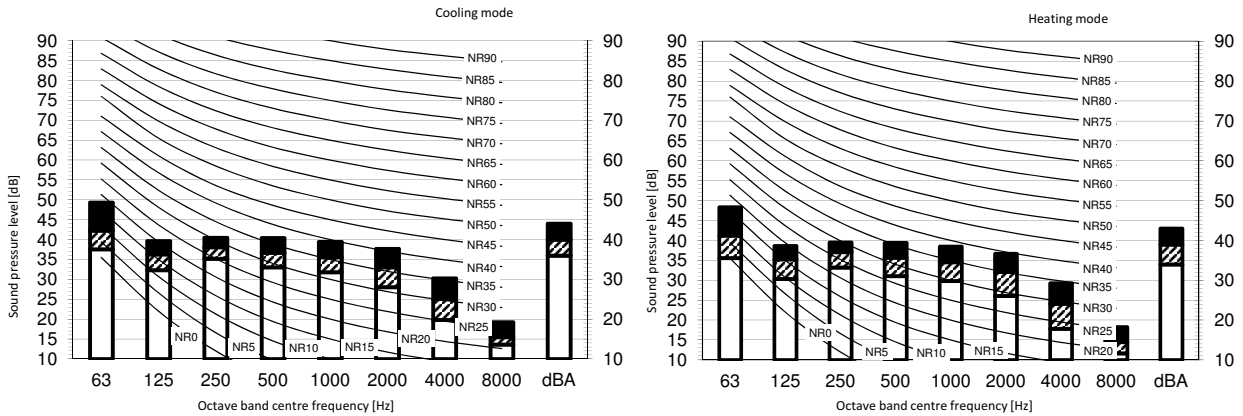


# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

8

### ATXM50M



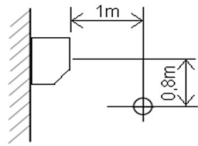
**Legend**

dBA = A-weighted sound pressure level (A scale according to IEC).

**A Scale**

- B High-tap
- C Medium-tap
- D Low-tap

**Location of microphone**



Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	44	40	36	dBA	43	39	34

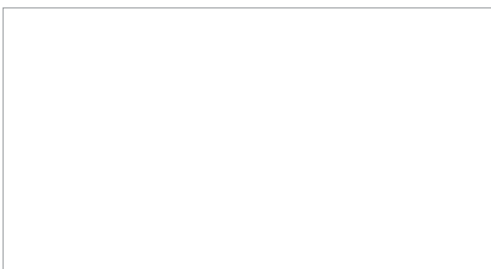
**Notes**

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

3D102203A



Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - [www.daikin.eu](http://www.daikin.eu) - BE 0412 120 336 - RPR Oostende



EEDEN19 11/18



Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Liquid Chilling Packages and Hydronic Heat Pumps, Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.