Wall mounted unit Air Conditioning Technical Data

ATXTM-A



ATXTM30A2V1B

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1 Features

1 - 1 ATXTM-A

Attractive, wall mounted Siesta unit with perfect indoor air quality

- Guaranteed heating operation at low ambient temperature, down to -30°C
- With weather compensation, heating reacts to colder outside temperatures maintaining a comfortable indoor climate with no drop-off while optimising energy use
- Comfort+: perfect comfort with homogeneous temperature throughout the room. The double flaps direct the air towards the ceiling in heating and along the wall in heating.
- Seasonal efficiency values up to A+++ in cooling and heating
- 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
- 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)
- 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.
- Purifies the air of viruses, bacteria, fine dust, odours, allergens, etc
- 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
- 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.
- 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



1 Features

1 - 1 ATXTM-A


Weather compensation function



Guaranteed operation down to -30°C


Comfort+


Fireplace logic


Heat boost


Onecta app

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 (5 steps)



Dry programme


Silver allergen removal and air purifying filter



Flash Streamer


Practically inaudible


Titanium apatite deodorising filter


Air filter



Weekly timer



24 hour timer


Infrared remote control


Wired remote control


Centralised control



Auto-restart


Self diagnosis

2 Specifications

2 - 1 Specifications

Technical specifications					ATXTM30A
Power input	Cooling	Nom.		kW	0.029
	Heating	Nom.		kW	0.024
Casing	Colour				White
Dimensions	Unit	Height		mm	298
		Width		mm	804
		Depth		mm	252
	Packed unit	Height		mm	350
		Width		mm	875
		Depth		mm	380
Weight	Unit			kg	12
	Packed unit			kg	13
Packing	Weight			kg	2
Heat exchanger	Length			mm	622
	Rows	Quantity			2
	Fin pitch			mm	1.4
	Face area			m^2	0.214
	Stages	Quantity			18
	Passes	Quantity			2.4
	Tube type				ø5 Hi-XB
	Tube material				Copper
	Tube diameter			mm	5
	Fin	Type			ML fin (Multi louver)
Heat exchanger 2	Quantity				1
	Length			mm	622
	Rows	Quantity			1
	Fin pitch			mm	1.4
	Face area			m^2	0.094
	Stages	Quantity			8
Heat exchanger 3	Quantity			mm	1
	Length			mm	622
	Rows	Quantity			1
	Fin pitch			mm	1.4
	Stages	Quantity			4
Fan	Type				Cross flow fan
	Air flow rate	Cooling	High	m^3/min	13.2
				cfm	466
			Medium	m^3/min	8.1
Fan	Air flow rate	Cooling	Medium	cfm	293
			Low	m^3/min	5.6
				cfm	198
			Silent operation	m^3/min	4.8
				cfm	169
		Heating	High	m^3/min	11.7
				cfm	413
			Medium	m^3/min	7.7
				cfm	272
			Low	m^3/min	5.6
				cfm	198
			Silent operation	m^3/min	4.7
				cfm	166
Fan motor	Model				DFH04E1VA
	Speed	Steps			5 + silent, + auto
		Cooling	High	rpm	1,040
			Medium	rpm	710
			Low	rpm	530
			Silent operation	rpm	480
		Heating	High	rpm	970
			Medium	rpm	680
			Low	rpm	550
			Silent operation	rpm	490
Sound power level	Cooling			dBA	60
	Heating			dBA	59
Sound pressure level	Cooling	High		dBA	45
		Medium		dBA	33
		Low		dBA	25
		Silent operation		dBA	21
	Heating	High		dBA	43
		Medium		dBA	31
		Low		dBA	22
		Silent operation		dBA	19
Refrigerant	Type				R-32
	GWP				675

2 Specifications

2 - 1 Specifications

Technical specifications				ATXTM30A
Piping connections	Liquid	OD	mm	6.35
Piping connections	Gas	OD	mm	9.5
	Drain			18
	Heat insulation			Both liquid and gas pipes
Air filter	Type			Removable / washable
	Quantity		pc	2
Air direction control				Right, Left, Horizontal, Downward
Temperature control				Microcomputer control
Control systems	Infrared remote control			ARC466A83

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Wireless remote control;Quantity: 1;

Standard accessories: Screw cover;Quantity: 2;

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

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

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

Standard accessories: Silver particle filter;Quantity: 1;

Standard accessories: Remote control holder;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Electrical specifications			ATXTM30A
Power supply	Name		V1
	Phase		1~
	Hz		50
	V		220-240
Wiring connections	For power supply	Quantity	3
- 50Hz		Remark	3 for power supply, 4 for interunit wiring (Earth wire included)
Current	Nominal running current (RLA)	A	0.4

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

3 Options

3 - 1 Options

ATXTM-A

Option kit	Product name	Remark New Perfera	Remark New floor stand	Remark Emura 3	Remark Zeta 5
Wired remote control	BRC073A1	②③	②③	②③	②③
Extension cord for wired remote control (-3-m)	BRCW901A03				
Extension cord for wired remote control (-8-m)	BRCW901A08				
Intelligent Tablet Controller	DCC601A51	②③	②③	②③	②③
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		②③⑤	②③⑤	②③⑤
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413BB1S		②③	②③	②③
Interface adaptor for DIII-NET	KRP928BB2S		②③	②③	②③
Central remote control	DCS302CA51	②③	②③	②③	②③
Unified ON/OFF controller	DCS301BA51	②③	②③	②③	②③
Schedule timer	DST301BA51	②③	②③	②③	④
Intelligent Touch Manager	DCM601A51	②③	②③	②③	②③
-Modbus- interface	EKMBDXA7V1	②③	②③	②③	②③
Modbus gateway	RTD-RA	②③	②③	②③	②③
-KNX- interface	KLIC-DD	②③	②③	②③	②③
Titanium apatite deodorising filter without frame	KAF970A46	①	①	①	①
Silver particle filter (Ag-ion) with frame	KAF057A41	①		①	①
Conversion wire harness	EKRS21				

Applicable models	Class	Ceiling	Factory
CTXM15Q2V1B	15	R32 BMS	DXCz
FTXM20Q2V1B	20	R32 BMS	DXCz
FTXM25Q2V1B	25	R32 BMS	DXCz
FTXM35Q2V1B	35	R32 BMS	DXCz
FTXM42Q2V1B	42	R32 BMS	DXCz
FTXM50Q2V1B	50	R32 BMS	DXCz
FTXM60Q2V1B	60	R32 BMS	DXCz
FTXM71Q2V1B	71	R32 BMS	DXCz
ADXM20Q2V1B	20	R32 BMS	DXCz
ADXM25Q2V1B	25	R32 BMS	DXCz
ADXM35Q2V1B	35	R32 BMS	DXCz
ADXM50Q2V1B	50	R32 BWL	DXCz
CTXM15Q2V1B / CTXM15KSV1B	15	R32 BMS	R2-DXCz R5-DTXS
FTXM20R2V1B / FTXM20R5V1B	20	R32 BMS	R2-DXCz R5-DTXS
FTXM25R2V1B / FTXM25R5V1B	25	R32 BMS	R2-DXCz R5-DTXS
FTXM35R2V1B / FTXM35R5V1B	35	R32 BMS	R2-DXCz R5-DTXS
FTXM42R2V1B / FTXM42R5V1B	42	R32 BMS	R2-DXCz R5-DTXS
FTXM50R2V1B	50	R32 BMS	DXCz
FTXM60R2V1B	60	R32 BMS	DXCz
FTXM71R2V1B	71	R32 BMS	DXCz
ATXM20R2V1B / ATXM20R5V1B	20	R32 BMS	R2-DXCz R5-DTXS
ATXM25R2V1B / ATXM25R5V1B	25	R32 BMS	R2-DXCz R5-DTXS
ATXM35R2V1B / ATXM35R5V1B	35	R32 BMS	R2-DXCz R5-DTXS
ADXM50R2V1B	50	R32 BWL	DXCz
CVXM20A2V1B, CVXM20A5V1B, CVFM20A5V1B & CTXM20R2V1B	20	Floor Stand	DXCz
FVXM25A2V1B, FVXM25A5V1B & FVXM25A1VJB & FVXM25R2V1B	25	Floor Stand	DXCz
FVXM35A2V1B, FVXM35A5V1B & FVXM35A1VJB & FVXM35R2V1B	35	Floor Stand	DXCz
FVXM50A2V1B, FVXM50A5V1B & FVXM50A1VJB & FVXM50R2V1B	50	Floor Stand	DXCz
FTXJ20MW1V1B	20	R32 BWL	DXCz
FTXJ20AV1BW	20	Emura 3	DXCz
FTXJ20AV1BS	20	Emura 3	DXCz
FTXJ20AV1BB	20	Emura 3	DXCz
FTXJ25AV1BW	25	Emura 3	DXCz
FTXJ25AV1BS	25	Emura 3	DXCz
FTXJ25AV1BB	25	Emura 3	DXCz
FTXJ35AV1BW	35	Emura 3	DXCz
FTXJ35AV1BS	35	Emura 3	DXCz
FTXJ35AV1BB	35	Emura 3	DXCz
FTXJ42AV1BW	42	Emura 3	DXCz
FTXJ42AV1BS	42	Emura 3	DXCz
FTXJ42AV1BB	42	Emura 3	DXCz
FTXJ50AV1BW	50	Emura 3	DXCz
FTXJ50AV1BS	50	Emura 3	DXCz
FTXJ50AV1BB	50	Emura 3	DXCz
FXTM30K2V1B	30	R32 BMS	DXCz
FXTM40K2V1B	40	R32 BWL	DXCz
FXTJ30A2V1BW	30	Emura 3	DXCz
FXTJ30A2V1BB	30	Emura 3	DXCz
AVXM30A5V1B, AVXM30B2V1B	30	Floor stand	DXCz
CTXM15A2V1B / CTXM15A5V1B	15		A-2-DXCz A-5-DTXS
FTXM20A2V1B / FTXM20A5V1B	20		A-2-DXCz A-5-DTXS
FTXM25A2V1B / FTXM25A5V1B	25		A-2-DXCz A-5-DTXS
FTXM35A2V1B / FTXM35A5V1B	35		A-2-DXCz A-5-DTXS
FTXM42A2V1B / FTXM42A5V1B	42		A-2-DXCz A-5-DTXS
FTXM50A2V1B / FTXM50A5V1B	50		DXCz
FTXM60A2V1B	60		DXCz
FTXM71A2V1B	71		DXCz
ADXM20A2V1B / ATXM20A5V1B	20		A-2-DXCz A-5-DTXS
ADXM25A2V1B / ATXM25A5V1B	25		A-2-DXCz A-5-DTXS
ADXM35A2V1B / ATXM35A5V1B	35		A-2-DXCz A-5-DTXS
ATXM50A2V1B / ATXM50A5V1B	50		A-2-DXCz A-5-DTXS
FTXM60A2V1B	60		DXCz
FTXM71A2V1B	71		DXCz
ARXT80G6A2V1B	40		DXCz
ARXT80G8A2V1B	30		DXCz

	A-MID	New Perfera	New Floor stand	OH4 midl. imp.	Emura 3	OH5 Perfera	OH5 Emura 3	OH5 New floor	Zeta	OH5 Zeta

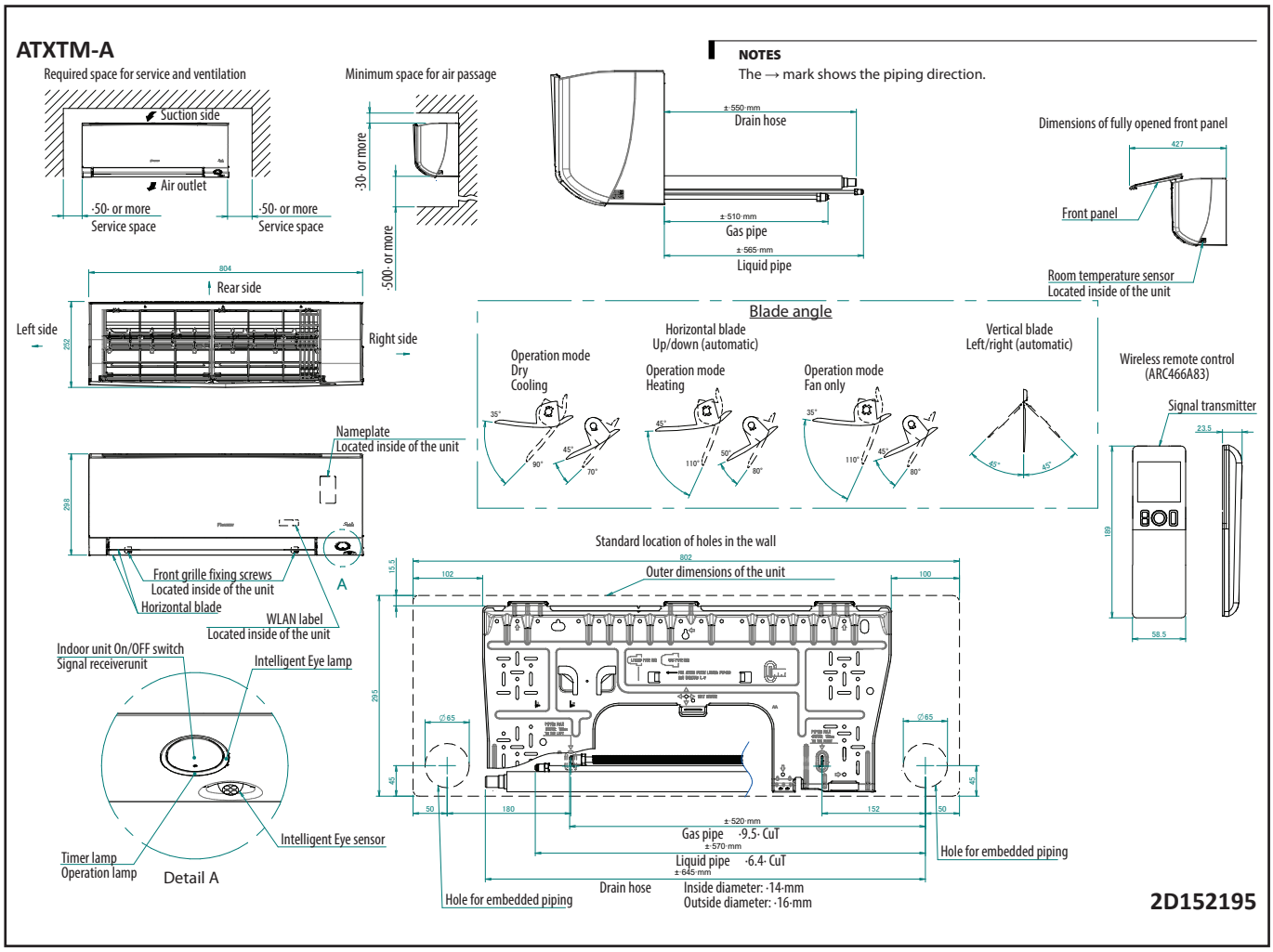
NOTES

1. Standard accessory
2. This option features a(n) -S21- connector. To connect this option to the indoor unit, therefore conversion wire harness -EKRS21- is required.
3. 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.
4. Obsolete option.
5. Production of this option finished, replaced by new option KRP413BB1S.

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4 Dimensional drawings

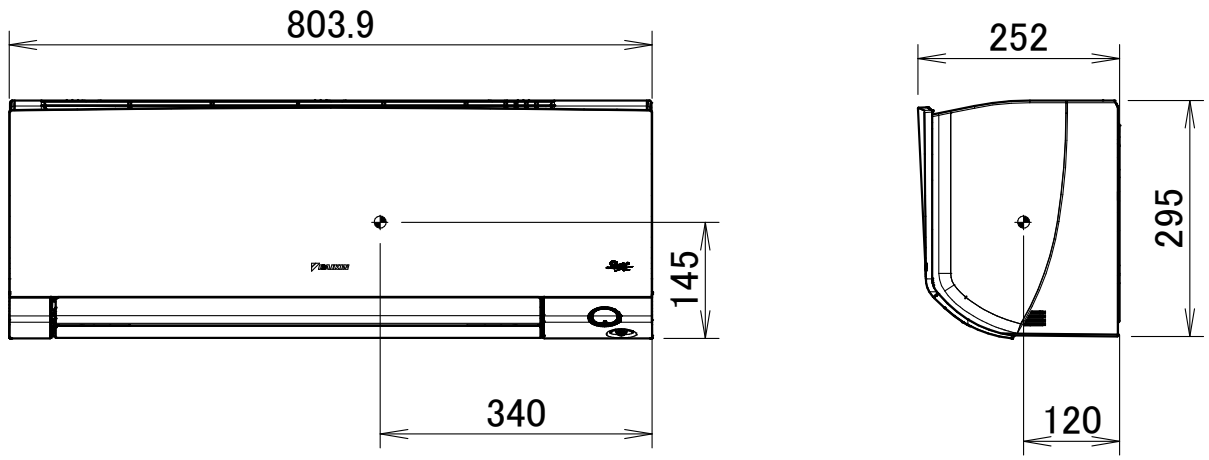
4 - 1 Dimensional Drawings



5 Centre of gravity

5 - 1 Centre of Gravity

ATXTM-A

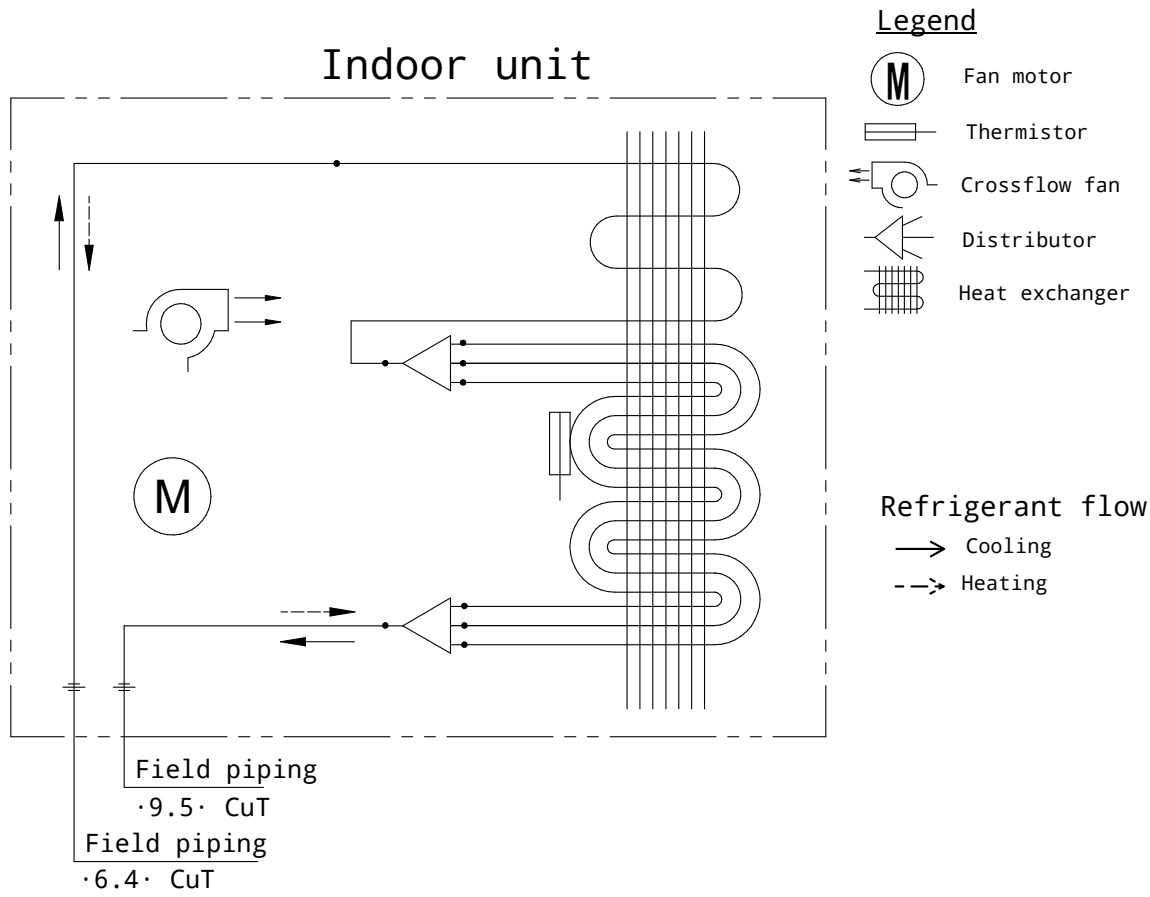


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6 Piping diagrams

6 - 1 Piping Diagrams

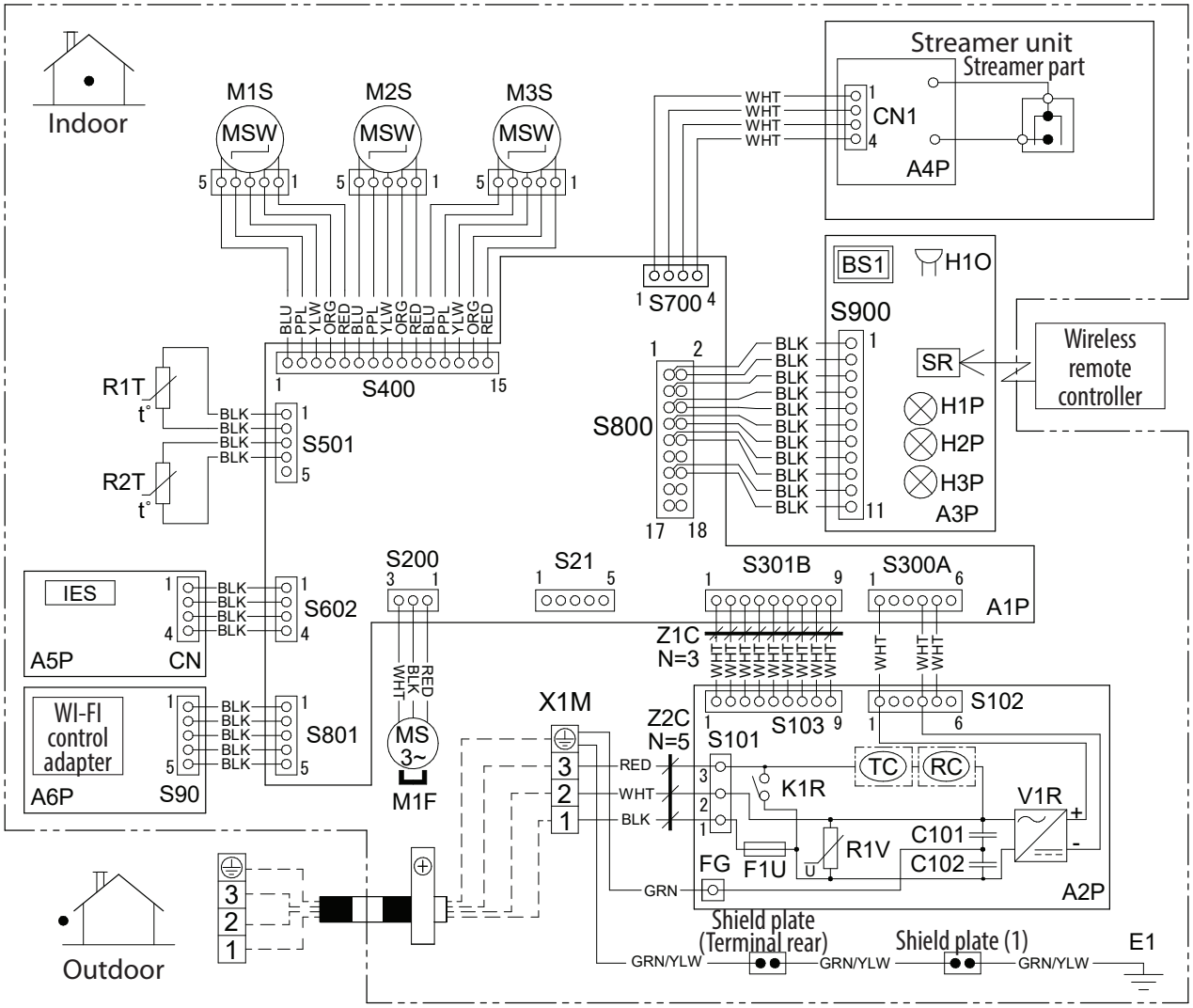
ATXTM-A



7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

ATXTM-A



CN, CN1, S16~801	Connector
FG	Terminal
X1M	Terminal block
F1U	Fuse (T, 3.15A, 250V)
M1F	Motor (indoor fan)
M1~3S	Motor (swing flap)
A1~6P	Printed circuit board
R1T, R2T	Thermistor
IES	Intelligent eye sensor
BS1	Button switch
H1~3P	Pilot lamp
SR	Signal receiver
H1O	Buzzer
Z1~2C	Ferrite core
E1	Heat exchanger
K1R	Magnetic relay
V1R	Rectifier
C101, C102	Capacitor
TC	Transmitter circuit

RC	Receiver circuit
⏚	Protective earth
R1V	Varistor

Wire colors

BLK	: Black	ORG	: Orange
YLW	: Yellow	WHT	: White
RED	: Red	GRN	: Green
BLU	: Blue	PPL	: Purple
GRY/YLW	: Green/yellow		

: Field wiring

CAUTION

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

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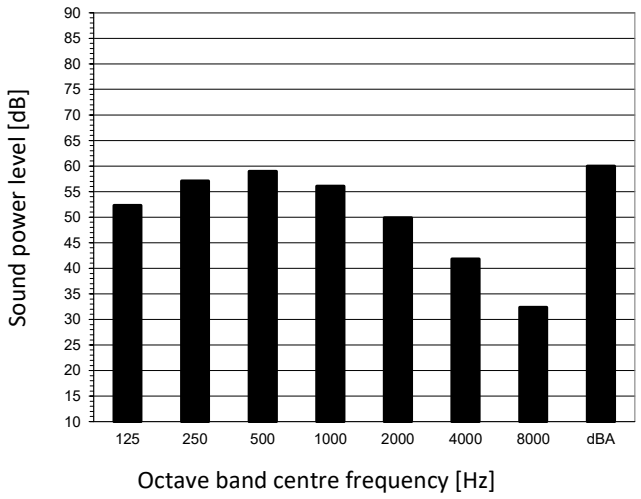
8 Sound data

8 - 1 Sound Power Spectrum

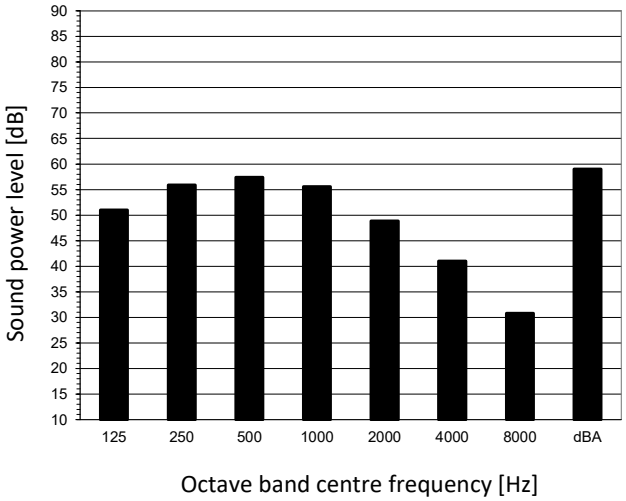
ATXTM-A

8

Cooling



Heating



Fan speed: High

Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity 0dB = ·10^ -12 W/m2·
3. Measured according to ISO 3744

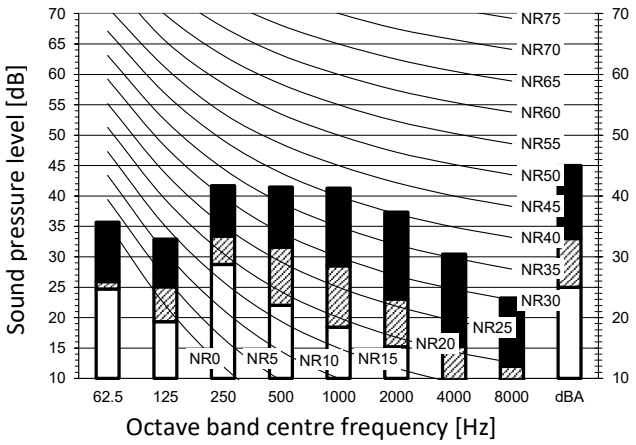
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8 Sound data

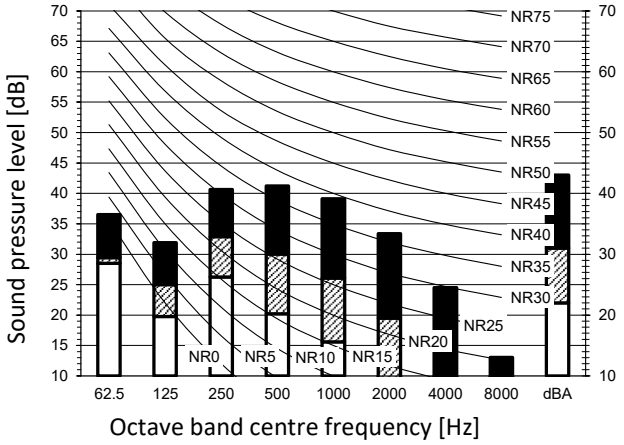
8 - 2 Sound Pressure Spectrum

ATXTM-A

Cooling mode



Heating mode

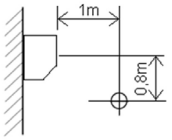


Legend

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

Location of microphone



Cooling — Total dB

A	B	C	D
dBa	45.0	33.0	25.0

Heating — Total dB

A	B	C	D
dBa	43.0	31.0	22.0

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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