

Wall mounted unit
Air Conditioning
Technical Data
FTXP-M9 /
FTXP-M



- > FTXP20M5V1B9
- > FTXP25M5V1B9
- > FTXP35M5V1B9
- > FTXP50M2V1B
- > FTXP60M2V1B
- > FTXP71M2V1B

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FTXP-M9 / FTXP-M

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1 Features

1 - 1 FTXP-M9 / FTXP-M

- › Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- › 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
- › Silver allergen removal and air purifying filter: captures allergens such as pollen and dust mites.
- › 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
- › The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- › 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
- › Space saving contemporary wall mounted design



Practically inaudible	Econo mode	Energy saving during standby mode	Night set mode	Fan only	Comfort mode	Powerful mode	Auto cooling-heating changeover	Indoor 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	Titanium apatite deodorising filter	Air filter
24 hour timer	Infrared remote control	Online controller via app	Auto-restart	Self diagnosis	Multi model application			

2 Specifications

1 - 1 FTXP-M9 / FTXP-M

Technical Specifications					FTXP20M9		FTXP25M9		FTXP35M9		
Power input	Cooling	Nom.	kW		0.019		0.020		0.032		
	Heating	Nom.	kW		0.023				0.032		
Casing	Colour				White						
Dimensions	Unit	Height	mm		286						
		Width	mm		770						
		Depth	mm		225						
	Packed unit	Height	mm		305						
		Width	mm		830						
		Depth	mm		360						
Weight	Unit	kg		8.50				9.00			
	Packed unit	kg		10.5				11.0			
Packing	Weight		kg		2.0						
Heat exchanger	Length		mm		610						
	Rows	Quantity				2					
	Fin pitch		mm		1.40						
	Stages	Quantity				18					
	Passes	Quantity				2.2					
	Tube type				ø5 Hi-XB						
	Fin	Type				ML fin (Multi louver)					
	Heat exchanger 2	Length		mm		-				600	
Rows		Quantity				-				1	
Fin pitch		mm		-				1.40			
Stages		Quantity				-				4	
Fan	Type				Cross flow fan						
	Quantity				1						
	Air flow rate	Cooling	High	m³/min	9.5	9.7		11.5			
				cfm	335.1	343.3		406.1			
			Medium	m³/min	7.4	7.7		8.3			
				cfm	262.0	270.2		293.1			
			Low	m³/min	5.6	5.8		6.3			
				cfm	198.1	205.9		222.5			
		Silent operation	m³/min	4.2		4.5					
				146.6		159.0					
			High	m³/min	10.4	11.5					
				cfm	368.0	406.1					
			Medium	m³/min	8.1	9.0					
				cfm	286.0	317.8					
		Heating	Low	m³/min	6.2	6.4		7.0			
				cfm	217.9	226.0		247.2			
			Silent operation	m³/min	5.2		5.3				
				cfm	182.2		287.0				
Fan motor	Model				MM6K11S20VA						
	Speed	Steps			5 + silent, + auto						
	Cooling	High	rpm	1,000	1,020		1,140				
		Medium	rpm	820	840		870				
Fan motor	Speed	Cooling	Low	rpm	660	680		700			
			Silent operation	rpm	530		540				
		Heating	High	rpm	1,080		1,140				
			Medium	rpm	880		930				
		Low	rpm	710	730		760				
			Silent operation	rpm	620		610				
		Output	Rated	W		22					
		Sound power level	Cooling	dB(A)		55		58			
Heating	dB(A)		55		58						
Sound pressure level	Cooling	High	dB(A)		39	40		43			
		Medium	dB(A)		33		34				
		Low	dB(A)		25	26		27			
		Silent operation	dB(A)		19		20				
	Heating	High	dB(A)		39	40					
		Medium	dB(A)		34		35				
		Low	dB(A)		28		29				
		Silent operation	dB(A)		21						
Piping connections	Liquid	OD	mm		6,35						
	Gas	OD	mm		9.50						
	Drain				18						
	Heat insulation				Both liquid and gas pipes						
Air filter	Type				Removable / washable						
Air direction control					Left, right, up and downwards						
Temperature control					Microcomputer control						
Control systems	Infrared remote control				ARC480A53						
	Wired remote control				BRC944B2 / BRC073A1						

2 Specifications

1 - 1 FTXP-M9 / FTXP-M

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Infrared 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: Silver particle filter; Quantity: 1;

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

Electrical Specifications				FTXP20M9	FTXP25M9	FTXP35M9
Power supply	Phase				1~	
	Frequency	Hz			50	
	Voltage	V			220-240	
Power factor	Nominal	Cooling	%	43.42	44.40	49.25
		Heating	%		45.80	49.25
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.19	0.20	0.29
		Heating	A		0.21	0.29

Technical Specifications					FTXP50M		FTXP60M		FTXP71M				
Power input	Cooling	Nom.	kW		0.029				0.032				
	Heating	Nom.	kW		0.032				0.035				
Casing	Colour				White								
Dimensions	Unit	Height	mm		295								
		Width	mm		990								
		Depth	mm		263								
	Packed unit	Height	mm		368								
		Width	mm		1,080								
		Depth	mm		383								
Weight	Unit			kg		13.5							
	Packed unit			kg		16							
Packing	Weight			kg		2.5							
Heat exchanger	Length				mm		820						
	Rows	Quantity				2							
	Fin pitch				mm		1.4						
	Stages	Quantity				18							
	Passes	Quantity				6							
	Tube type				ø5 Hi-XB								
	Fin	Type				ML fin (Multi louver)							
	Heat exchanger 2	Length				mm		810					
Rows		Quantity				1							
Fin pitch				mm		1.4							
Stages		Quantity				8							
Heat exchanger 3	Length				mm		810						
	Rows	Quantity				1							
	Fin pitch				mm		1.4						
	Stages	Quantity				4							
Fan	Type				Cross flow fan								
	Air flow rate	Cooling	High	m³/min	16.3		16.8						
				cfm	575		592						
			Medium	m³/min	14.0		14.4						
				cfm	493		506						
			Low	m³/min	11.5		11.8						
				cfm	401		417						
		Silent operation		m³/min	8.3		9.2		10.1				
				cfm	268		330		365				
			Heating	High	m³/min	17.3		17.9					
					cfm	618		632					
		Medium		m³/min	14.4		15.3						
				cfm	510		540						
		Low		m³/min	11.8		12.4						
				cfm	421		438						
		Silent operation			m³/min	10.4		11.0					
					cfm	370		387					
		Fan motor	Model				MM9E17S21VA						

2 Specifications

1 - 1 FTXP-M9 / FTXP-M

Technical Specifications					FTXP50M		FTXP60M		FTXP71M	
Fan motor	Speed	Steps				5 + silent, + auto				
			Cooling	High	rpm	1,040	1,070			
	Medium	rpm		920	940					
	Low	rpm		790	810					
	Silent operation	rpm		600	650	700				
	Heating	High	rpm	1,100	1,140	1,170				
		Medium	rpm	940	990					
		Low	rpm	810	840					
		Silent operation	rpm	730	760					
	Output	Rated	W			46				
Sound power level	Cooling	dBA			59	60	62			
	Heating	dBA			61	62				
Sound pressure level	Cooling	High	dBA		43	45	46			
		Medium	dBA		39	41	42			
		Low	dBA		34	36	37			
		Silent operation	dBA		27	30	32			
	Heating	Super high	dBA		42	44	45			
		High	dBA		38	40	41			
		Medium	dBA		33	35	36			
		Low	dBA		30	32	33			
Piping connections	Liquid	OD	mm		635					
	Gas	OD	mm		12.7					
	Drain				18					
	Heat insulation				Both liquid and gas pipes					
Air filter	Type				Removable / washable					
Air direction control					Left, right, up and downwards					
Temperature control					Microcomputer control					
Control systems	Infrared remote control				ARC480A53					

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Infrared 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: Silver particle filter; Quantity: 1;

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

Electrical Specifications					FTXP50M	FTXP60M	FTXP71M
Power supply	Name				V1		
	Phase				1~		
	Frequency		Hz		50		
	Voltage		V		220-240		
Current	Nominal running current (RLA) - 50Hz	Cooling	A		0.32	0.34	
		Heating	A		0.34	0.37	0.40

3 Options

3 - 1 Options

FTXP20-35M9

3

Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Wired remote control	BRC073A1		FTXP20M5V1B9	20	BMS-R32	DTAS
Wired remote control	BRC944B2		FTXP20M5V1B9	25	BMS-R32	DTAS
Extension cord for wired remote control (·3·m)	BRCW901A03		FTXP20M5V1B9	35	BMS-R32	DTAS
Extension cord for wired remote control (·5·m)	BRCW901A08		FTXP20M5V1B9			
Interface adaptor for wired remote control	KRP980B1		FTXP20M5V1B9			
Interface adaptor for wired remote control	EKRP067A41		FTXP20M5V1B9			
Interface adaptor for wired remote control	EKRP980B2		FTXP20M5V1B9			
Centralised control board (up to ·5· rooms)	KRC72A		FTXP20M5V1B9			
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		FTXP20M5V1B9			
Wi-Fi adaptor for smartphones	BRP069B41	(4) (5)	FTXP20M5V1B9			
Wi-Fi adaptor for smartphones	BRP069B42	(5)	FTXP20M5V1B9			
Wi-Fi adaptor for smartphones	BRP069B43	(5)	FTXP20M5V1B9			
Wi-Fi adaptor for smartphones	BRP069A44	(6)	FTXP20M5V1B9			
Wi-Fi adaptor for smartphones	BRP069B45	(5)	FTXP20M5V1B9			
Interface adaptor for DIII-NET	KRP928BB2S		FTXP20M5V1B9			
Central remote control	DCS302CA51		FTXP20M5V1B9			
Unified ON/OFF controller	DCS301BA51		FTXP20M5V1B9			
Schedule timer	DST301BA51		FTXP20M5V1B9			
Titanium apatite deodorising filter without frame	KAF971A42	(1)	FTXP20M5V1B9			
Titanium apatite deodorising filter without frame	KAF952B42	(3)	FTXP20M5V1B9			
Titanium apatite deodorising filter without frame	KAF970A46	(2)	FTXP20M5V1B9			
Honeycomb deodorising and air-purifying filter without frame	KAF968A42		FTXP20M5V1B9			
Honeycomb deodorising filter with frame	KAZ917B41		FTXP20M5V1B9			
Honeycomb deodorising filter without frame	KAZ917B42		FTXP20M5V1B9			
Air-purifying filter with frame	KAF925B41		FTXP20M5V1B9			
Honeycomb deodorising and air-purifying filter with frame	KAF046A41		FTXP20M5V1B9			
Anti-theft protection for remote control	KKF910AA4		FTXP20M5V1B9			
Anti-theft protection for remote control	KKF917AA4		FTXP20M5V1B9			
Anti-theft protection for remote control	KKF936A4		FTXP20M5V1B9			
Installation frame for floor-standing units	BKS028A4		FTXP20M5V1B9			
Optional remote control BRC480A54 for heating-only indoor units	BRC54A	(7)	FTXP20M5V1B9			
Silver particle filter with frame	KAF057A41		FTXP20M5V1B9			

Notes

1. R32 models

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

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3 Options

3 - 1 Options

FTXP50-71M

Notes

1. R32 models

Option kit	Product name	Remark	Factory	Casing	Class	Applicable models
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

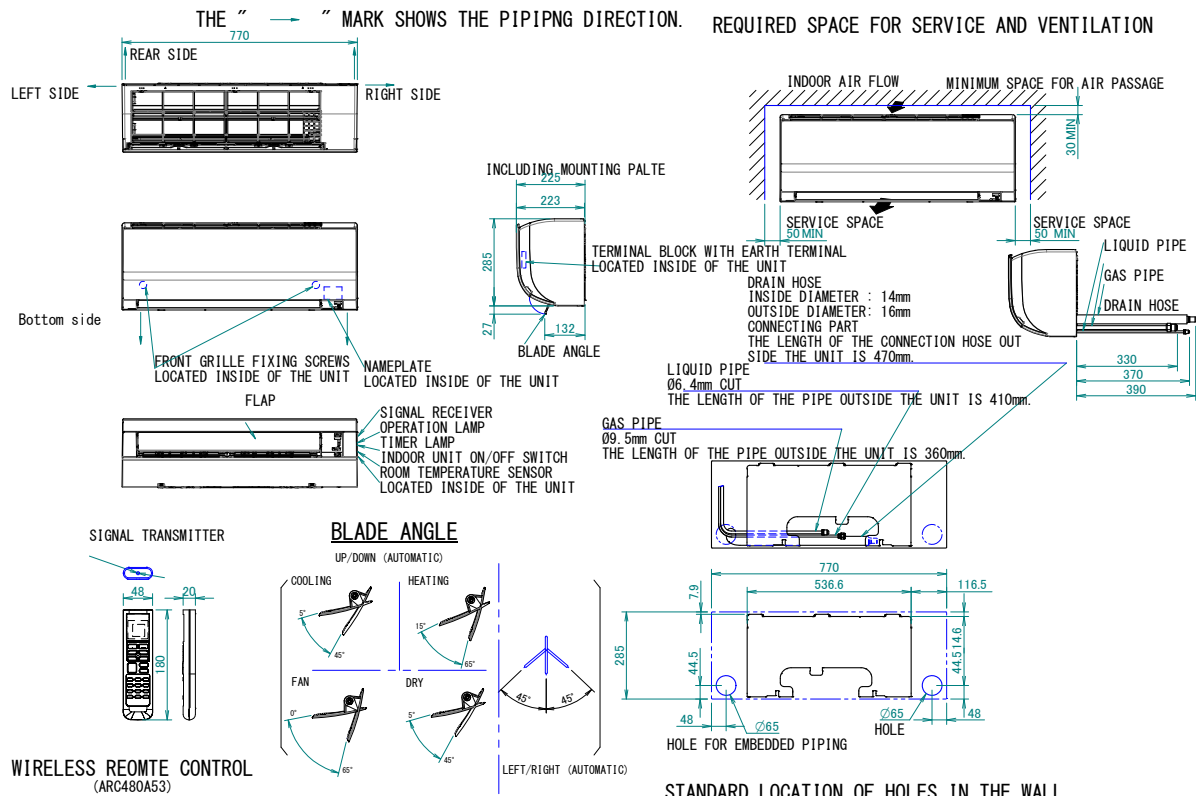
- ① Three-dimensional knitted fabric (-42x275-mm) + activated charcoal net
- ② Three-dimensional knitted fabric (-42x255-mm) + activated charcoal net
- ③ Corrugated fiberboard (-42x275-mm)
- ④ Without connection cable
- ⑤ Option ·BRP069A***· was replaced by option ·BRP069B***·.
- ⑥ This option is no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

3D095173N

4 Dimensional drawings

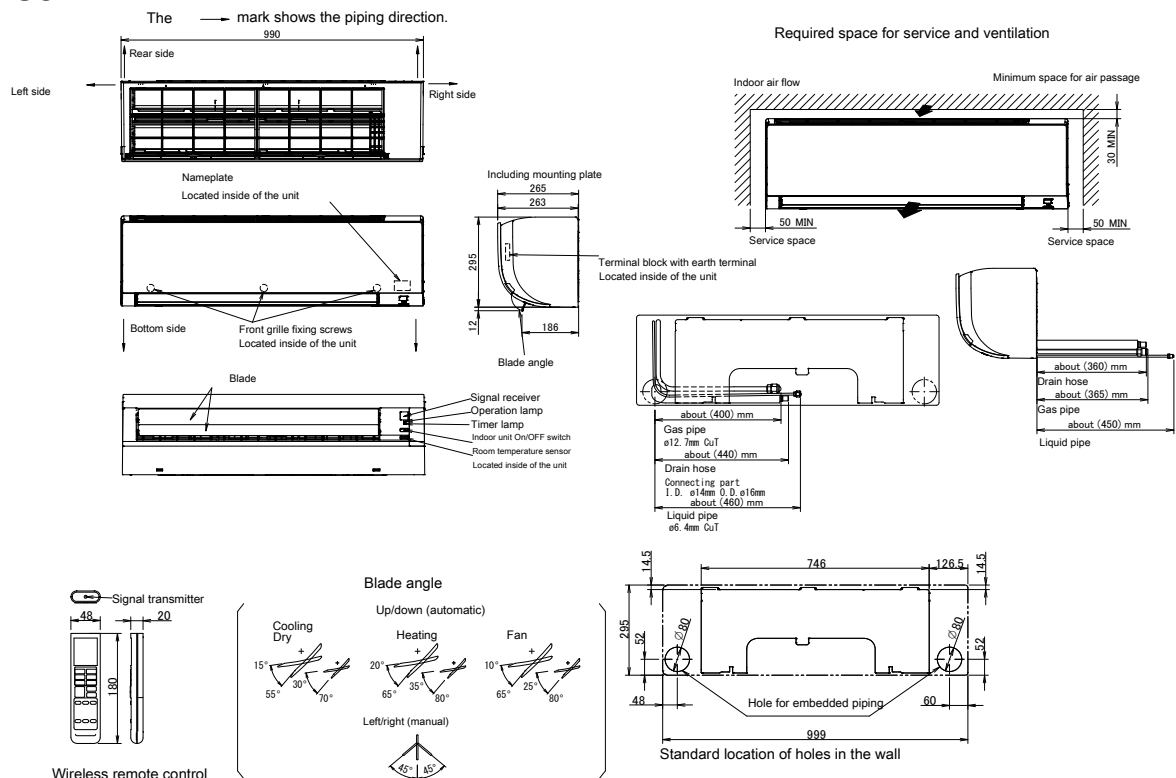
4 - 1 Dimensional Drawings

FTXP20-35M9



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FTXP50-71M



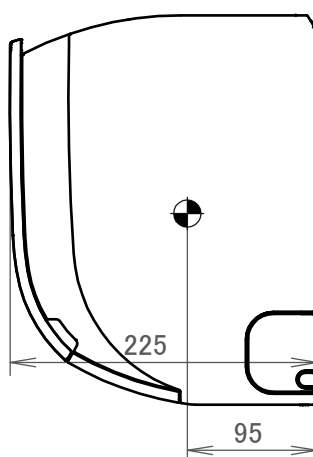
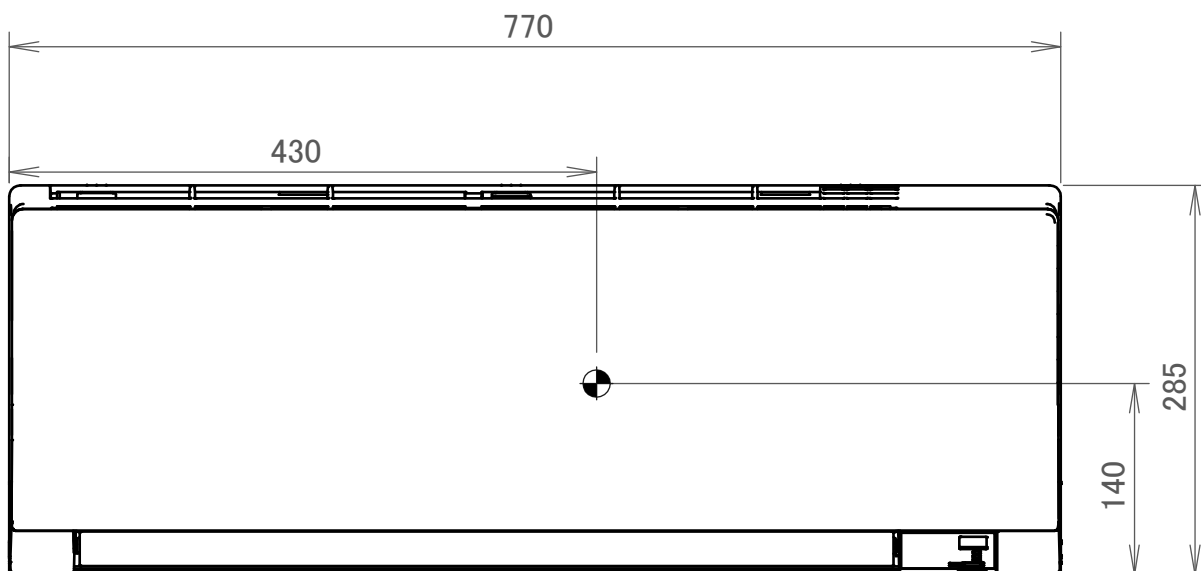
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5 Centre of gravity

5 - 1 Centre of Gravity

FTXP20-25M9

5



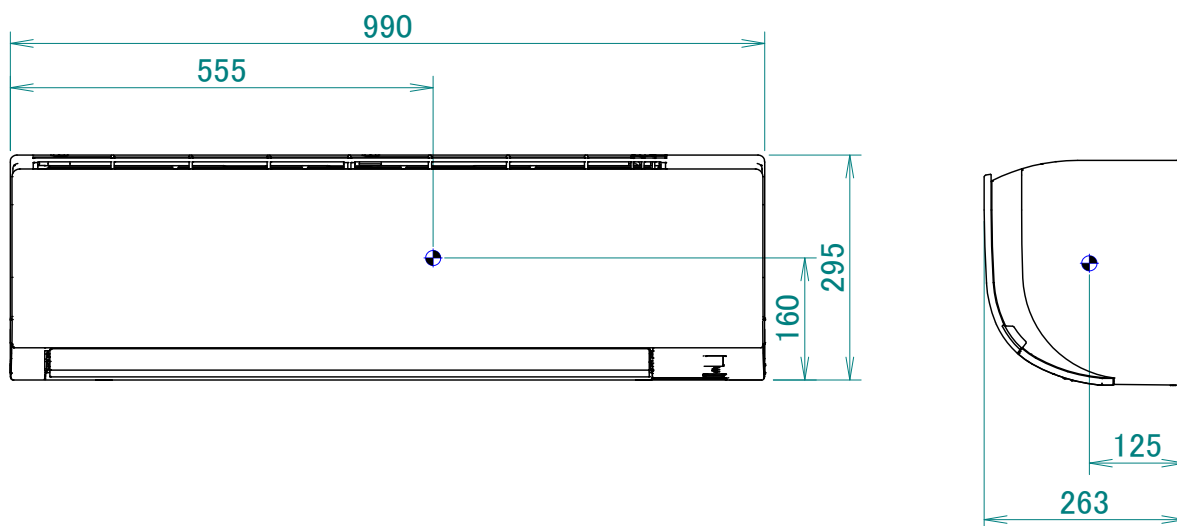
4D094235D

5 Centre of gravity

5 - 1 Centre of Gravity

FTXP50-71M

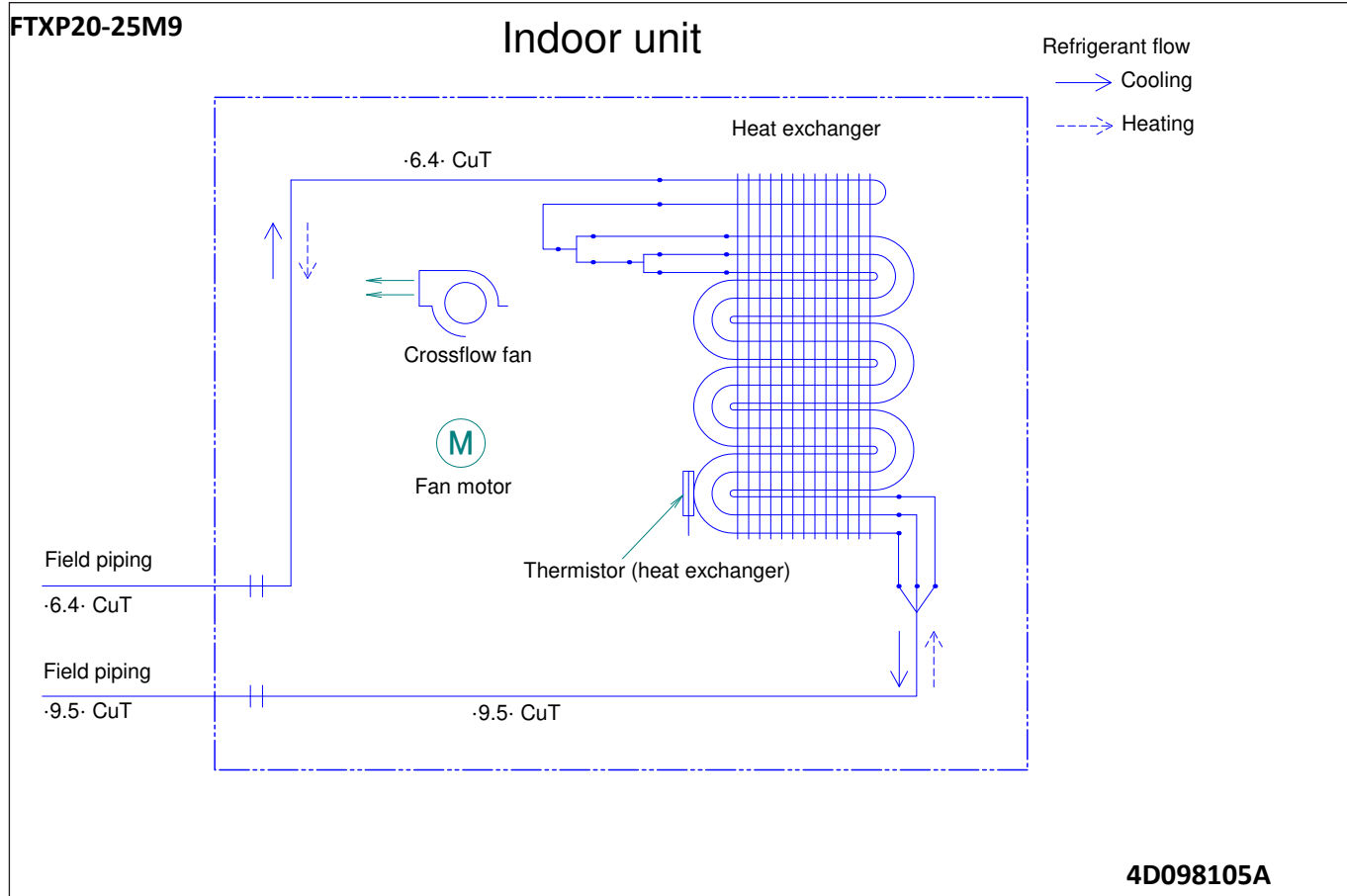
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6 Piping diagrams

6 - 1 Piping Diagrams



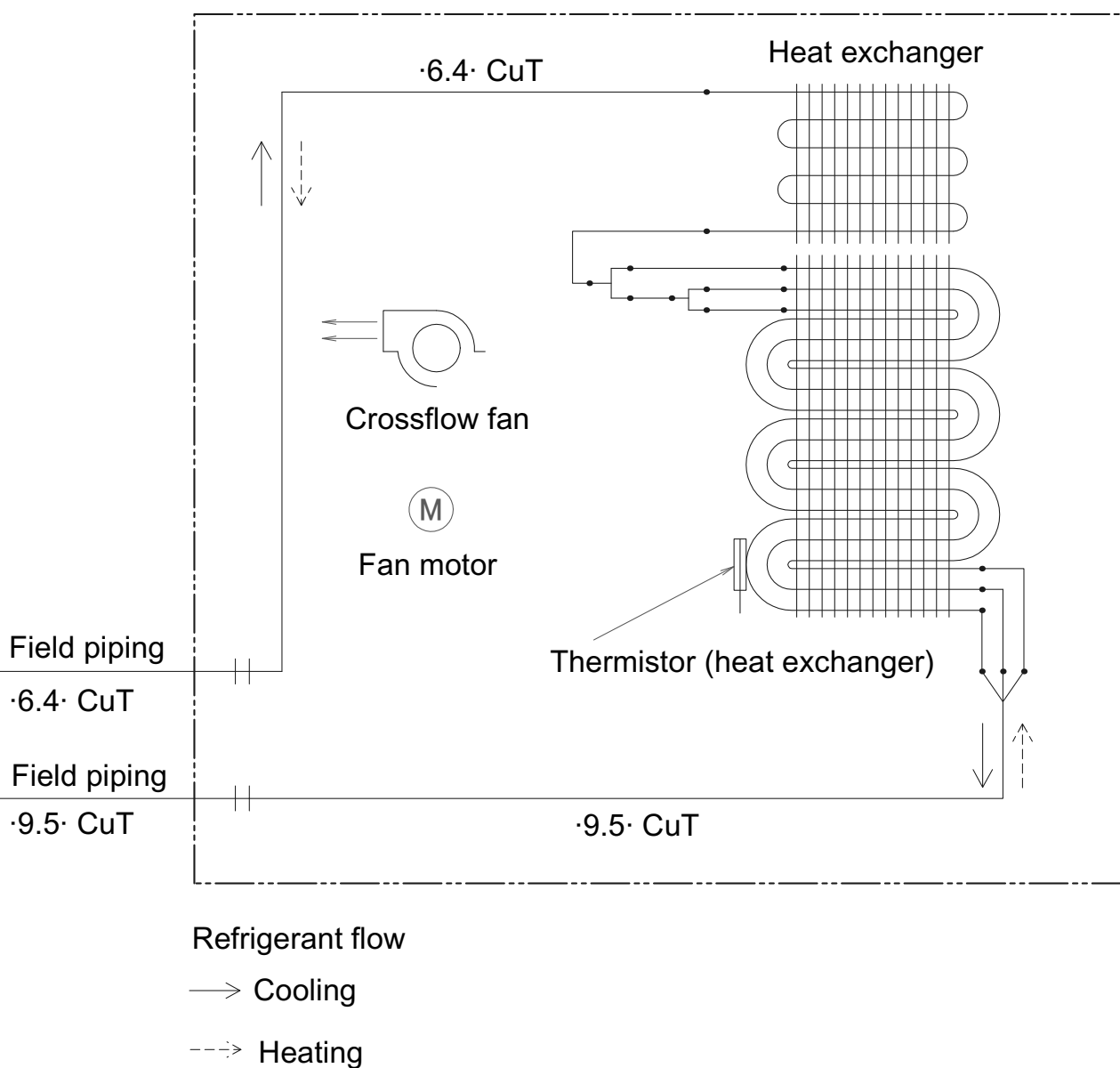
6 Piping diagrams

6 - 1 Piping Diagrams

FTXP35M9

6

Indoor unit



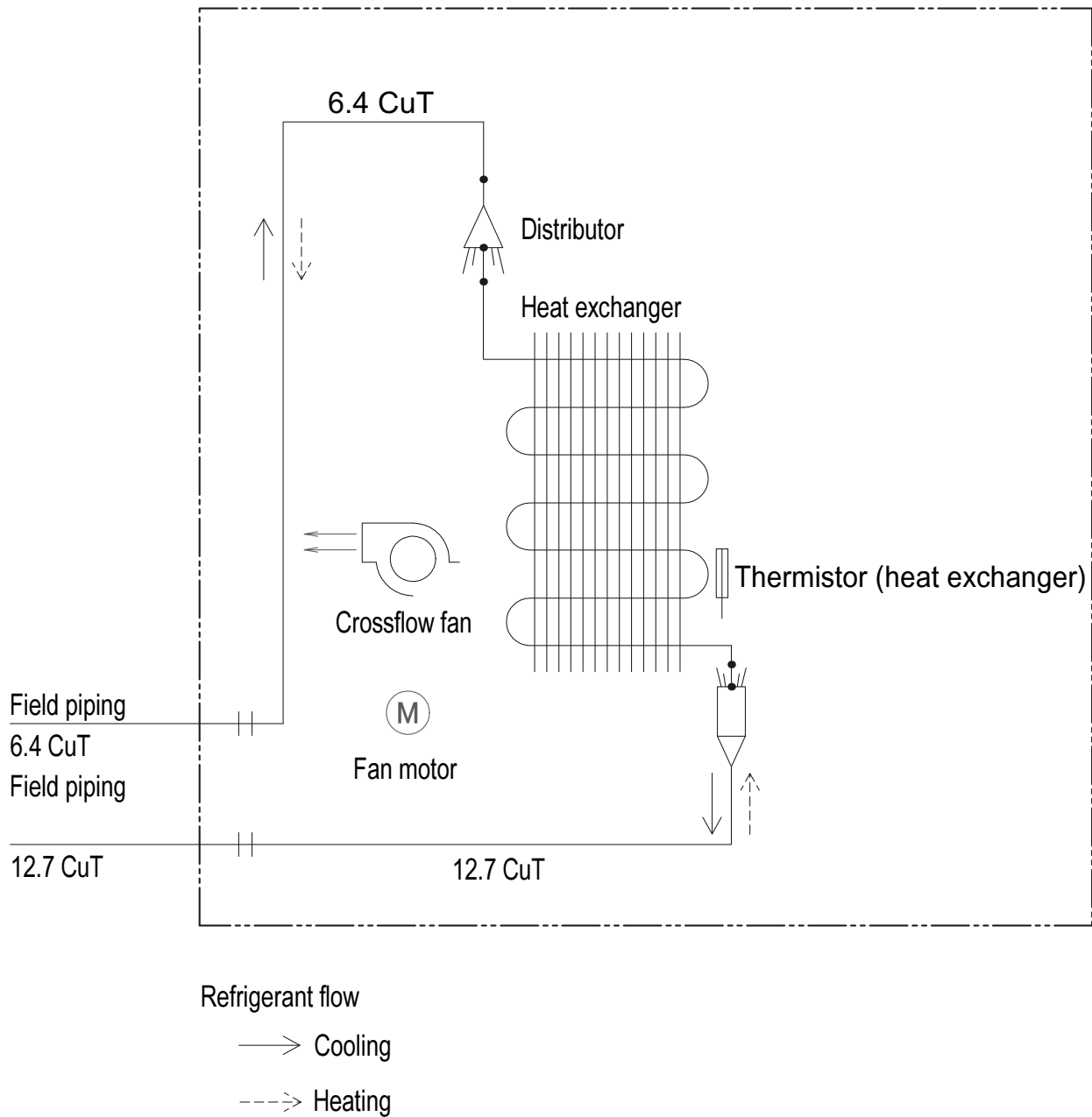
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6 Piping diagrams

6 - 1 Piping Diagrams

FTXP50-71M

Indoor unit



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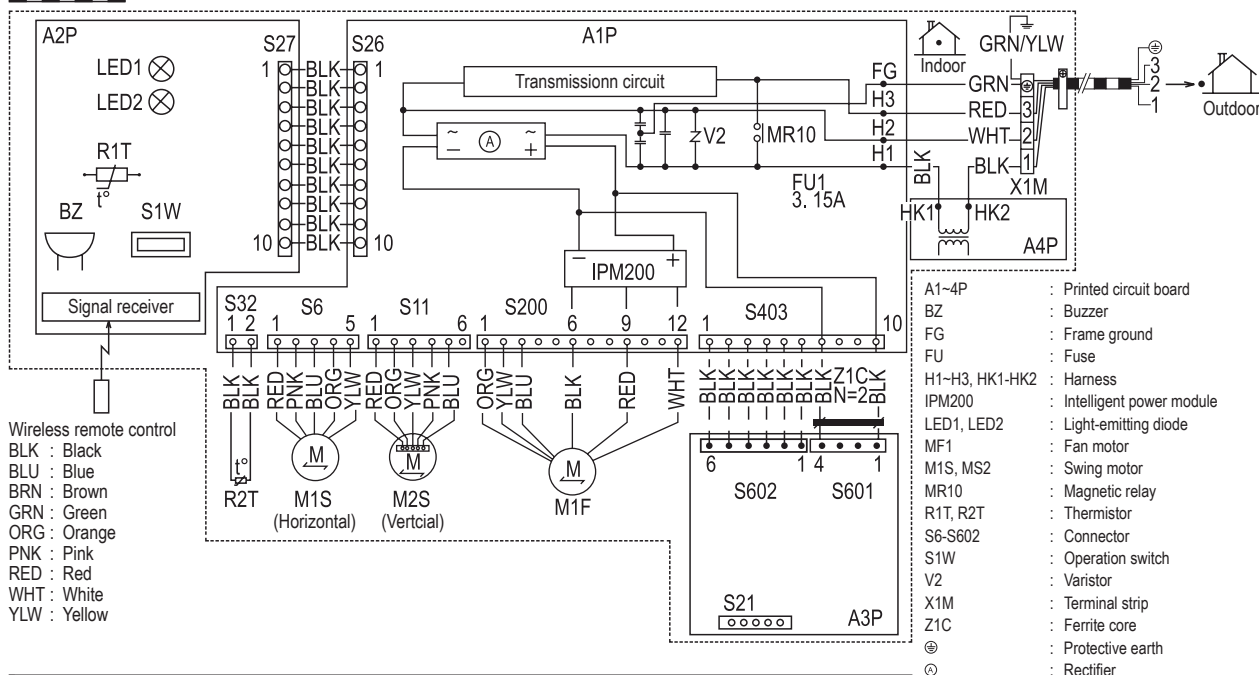
7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXP20-35M9

Field wiring

Wiring diagram



CAUTION

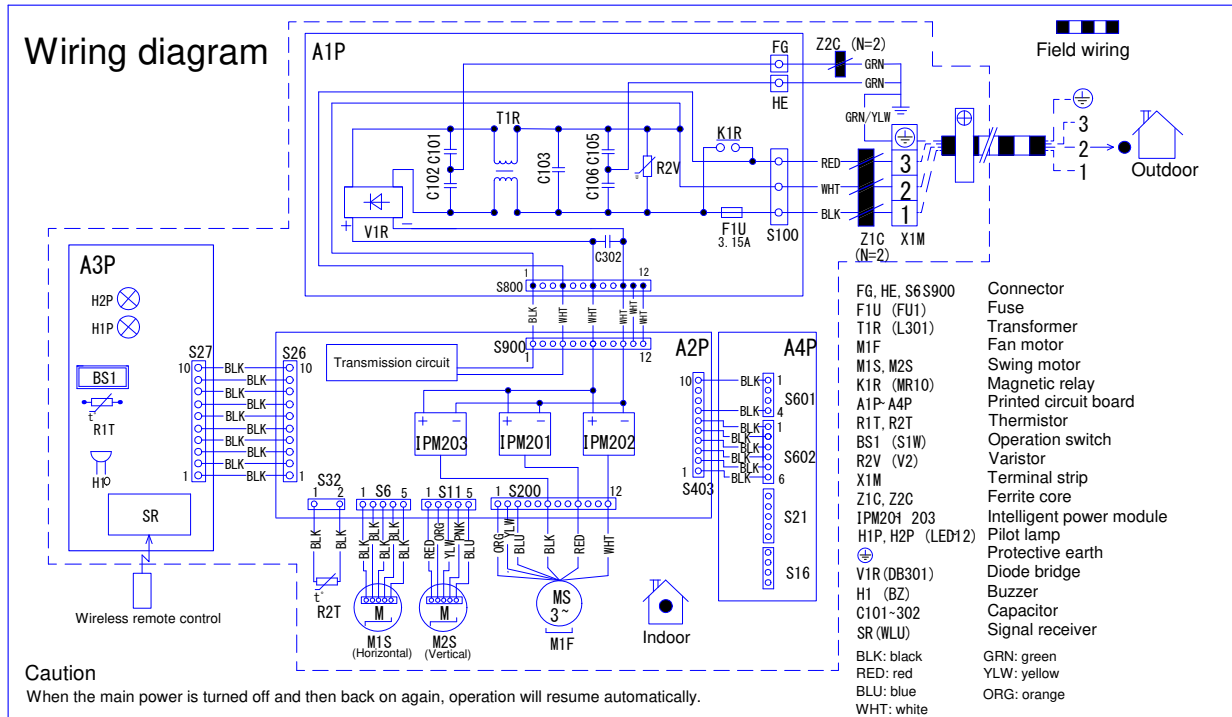
When the main power is turned off and then back on again, operation will resume automatically.

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FTXP50-71M

Wiring diagram

Field wiring



Caution

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

NOTES:

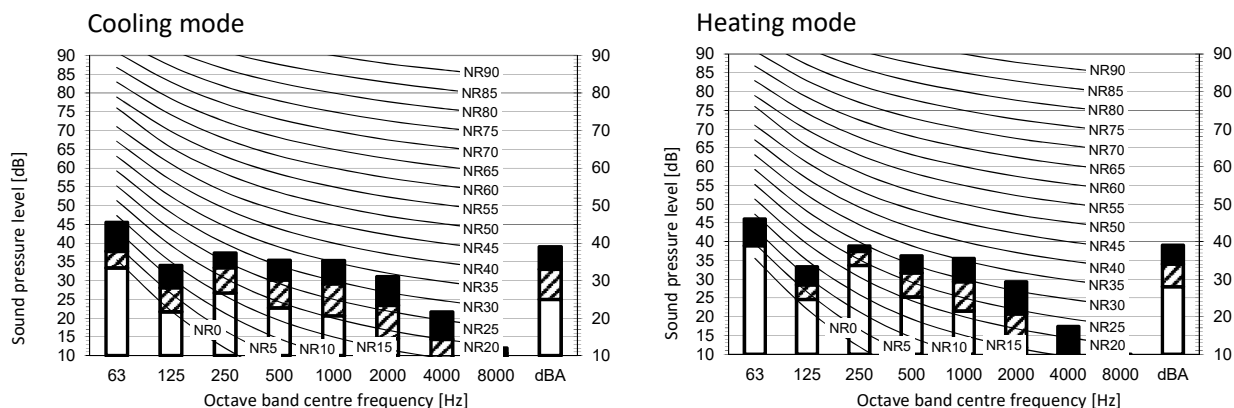
- Size: length ·65· X width ·110·.
- Refer to purchasing specification ·AS303002·, unless otherwise specified.

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXP20M9



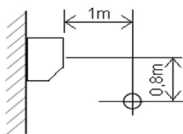
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



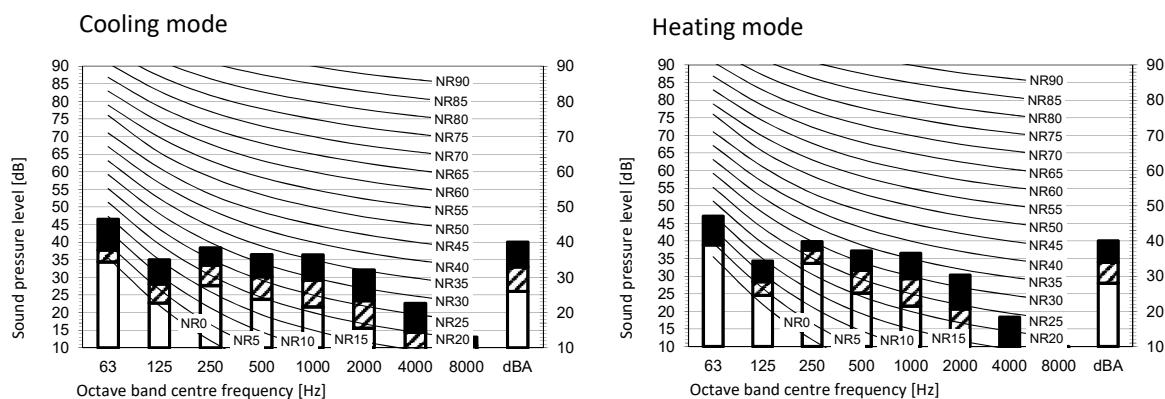
Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	39	33	25	dBA	39	34	28

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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FTXP25M9



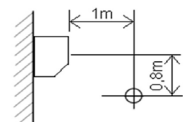
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	40	33	26	dBA	40	34	28

Notes

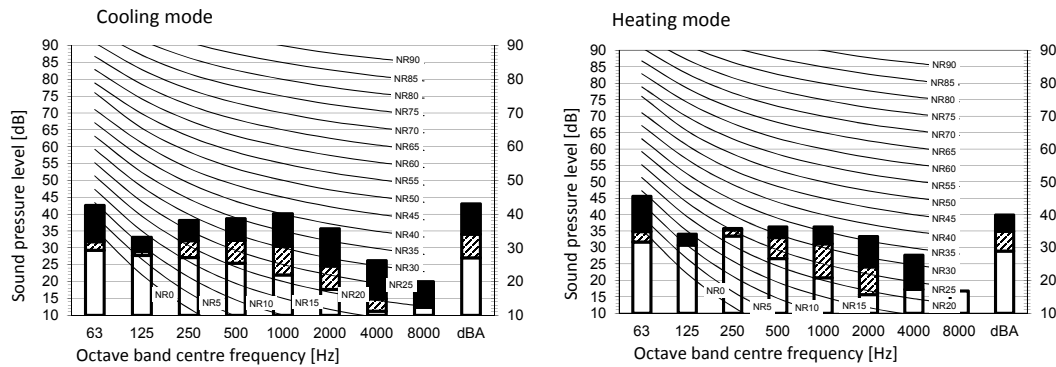
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXP35M9



Legend

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

A Scale Fan speed

B High

C Medium

D Low

Cooling

Total dB

A	B	C	D
dBA	43	34	27

Heating

Total dB

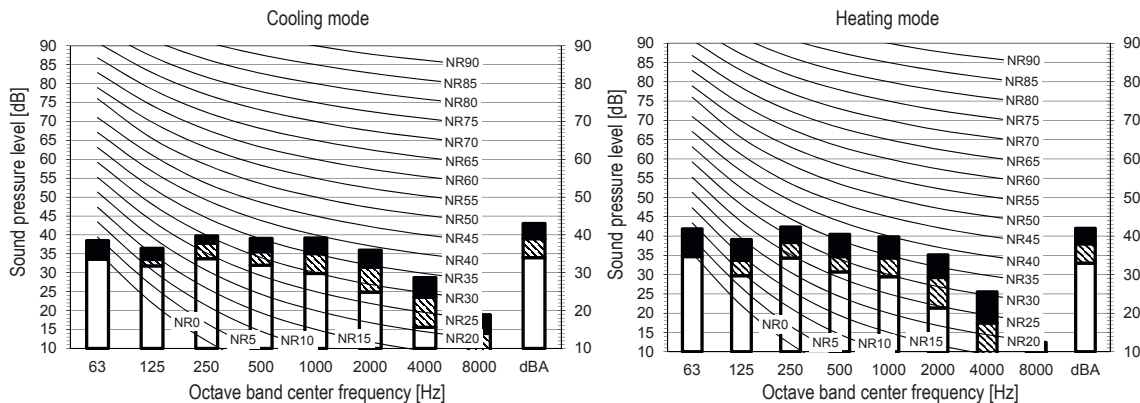
A	B	C	D
dBA	40	35	29

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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FTXP50M



LEGEND

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

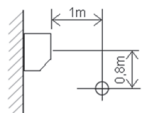
A Scale Fan speed

B High

C Medium

D Low

Location of microphone



Cooling

Total dB

A	B	C	D
dBA	43	39	34

Heating

Total dB

A	B	C	D
dBA	42	38	33

NOTES

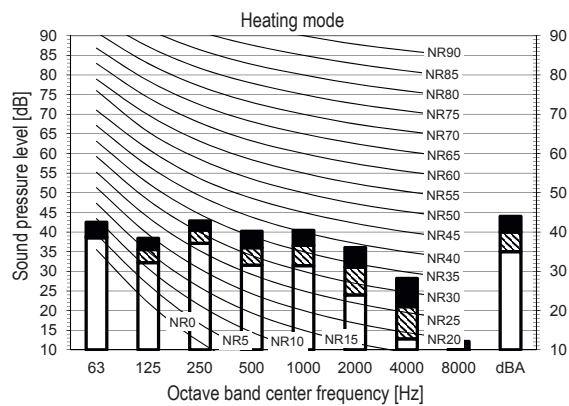
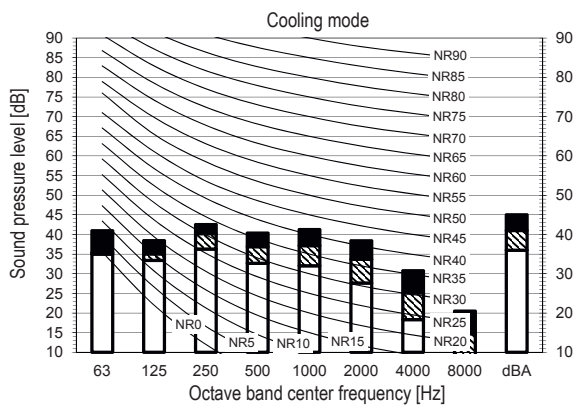
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber
6. Editable data for this drawing are available in the GDE (E-BOM) system.

3D108792A

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXP60M

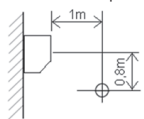


LEGEND

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	41	36

Heating Total dB

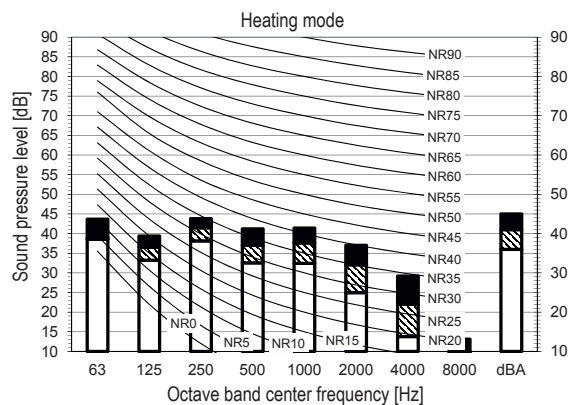
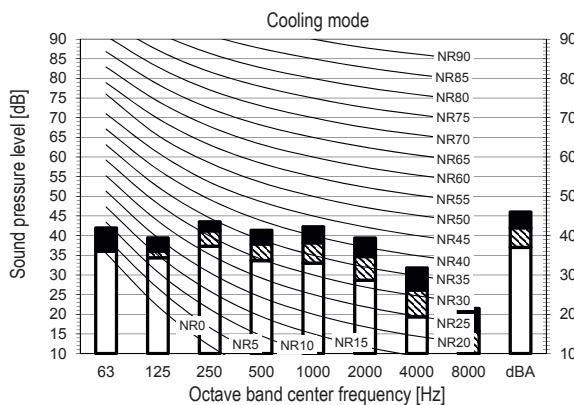
A	B	C	D
dBA	44	40	35

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

3D115179

FTXP71M

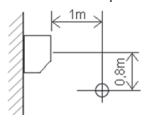


LEGEND

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	46	42	37

Heating Total dB

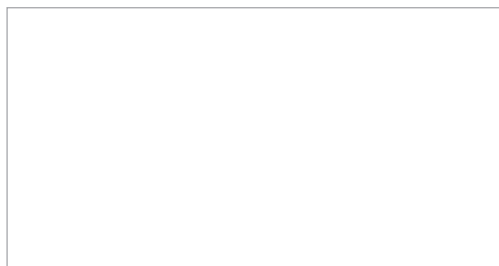
A	B	C	D
dBA	45	41	36

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

3D115180

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