

Air Conditioning
Technical Data

FTXP-M



- > FTXP20M5V1B
- > FTXP25M5V1B
- > FTXP35M5V1B
- > FTXP50M2V1B
- > FTXP60M2V1B
- > FTXP71M2V1B

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FTXP-M

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1 Features

Discreet wall mounted unit providing high efficiency and comfort

- 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



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

2-1 Technical Specifications				FTXP20M	FTXP25M	FTXP35M	FTXP50M	FTXP60M	FTXP71M	
Power input	Cooling	Nom.	kW	0.019	0.020	0.032	0.029	0.032		
	Heating	Nom.	kW	0.023		0.032		0.035		
Casing	Colour			White						
Dimensions	Unit	Height/Width/Depth	mm	286/770/225			295/990/263			
	Packed unit	Height/Width/Depth	mm	305/830/360			368/1,080/383			
Weight	Unit			kg	8.50	9.00	13.5			
	Packed unit			kg	10.5	11.0	16			
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			
	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						
	Quantity			1			-			
	Air flow rate	Cooling	High	m³/min	9.5	9.7	11.5	16.3	16.8	
				cfm	335.1	343.3	406.1	575	592	
			Medium	m³/min	7.4	7.7	8.3	14.0	14.4	
				cfm	262.0	270.2	293.1	493	506	
			Low	m³/min	5.6	5.8	6.3	11.5	11.8	
				cfm	198.1	205.9	222.5	401	417	
		Silent operation	m³/min	4.2		4.5	8.3	9.2	10.1	
			cfm	146.6		159.0	268	330	365	
		Heating	High	m³/min	10.4		11.5	17.3	17.9	
				cfm	368.0		406.1	618	632	
			Medium	m³/min	8.1		9.0	14.4	15.3	
				cfm	286.0		317.8	510	540	
	Low		m³/min	6.2	6.4	7.0	11.8	12.4		
cfm			217.9	226.0	247.2	421	438			
Silent operation	m³/min	5.2		5.3	10.4	11.0				
	cfm	182.2		287.0	370	387				
Fan motor	Model			MM6K11S20VA			MM9E17S21VA			
	Speed	Steps		5 + silent, + auto						
		Cooling	High/Medium/Low/Silent operation	rpm	1,000/820/660/530	1,020/840/680/530	1,140/870/700/540	1,040/920/790/600	1,070/940/810/650	1,070/940/810/700
				Heating	High/Medium/Low/Silent operation	rpm	1,080/880/710/620	1,080/880/730/620	1,140/930/760/610	1,100/940/810/730
		Output	Rated	W	22			46		
Sound power level	Cooling			dBA	55	58	59	60	62	

2 Specifications

2

2-1 Technical Specifications				FTXP20M	FTXP25M	FTXP35M	FTXP50M	FTXP60M	FTXP71M
Sound pressure level	Cooling	High/Medium/ Low/Silent operation	dBa	39/33/25/19	40/33/26/19	43/34/27/20	43/39/34/27	45/41/36/30	46/42/37/32
	Heating	Super high/High/ Medium/Low/ Silent operation	dBa	-/39/34/28/21	-/40/34/28/21	-/40/35/29/21	42/38/33/30/-	44/40/35/32/-	45/41/36/33/-
Control systems	Infrared remote control			ARC480A53					
	Wired remote control			BRC944B2 / BRC073A1			-		
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				Left, right, up and downwards					

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;

2-2 Electrical Specifications				FTXP20M	FTXP25M	FTXP35M	FTXP50M	FTXP60M	FTXP71M
Power supply	Name			-			V1		
	Phase			1~					
	Frequency		Hz	50					
	Voltage		V	220-240					
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.19	0.20	0.29	0.32	0.34	
		Heating	A	0.21		0.29	0.34	0.37	0.40

3 Options

3 - 1 Options

FTXP20-35M

Applicable models	Class	Casing	Factory
FTXP20M5V1B	20	BMS-R32	DTAS
FTXP25M5V1B	25	BMS-R32	DTAS
FTXP35M5V1B	35	BMS-R32	DTAS

Notes

- R32 models

Option kit	Product name	Remark	FTXP20M5V1B	FTXP25M5V1B	FTXP35M5V1B
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	✓	✓	✓
Silver particle filter with frame	KAF057A41		✓	✓	✓

Legend

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

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3 Options

3 - 1 Options

3

FTXP50-71M

Notes
1. R32 models

Factory	DICz	DICz	DICz
Casing	BML	BML	BML
Class	50	60	71
Applicable models	FTXP50M2V1B	FTXP60M2V1B	FTXP71M2V1B

Option kit	Product name	Remark			
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

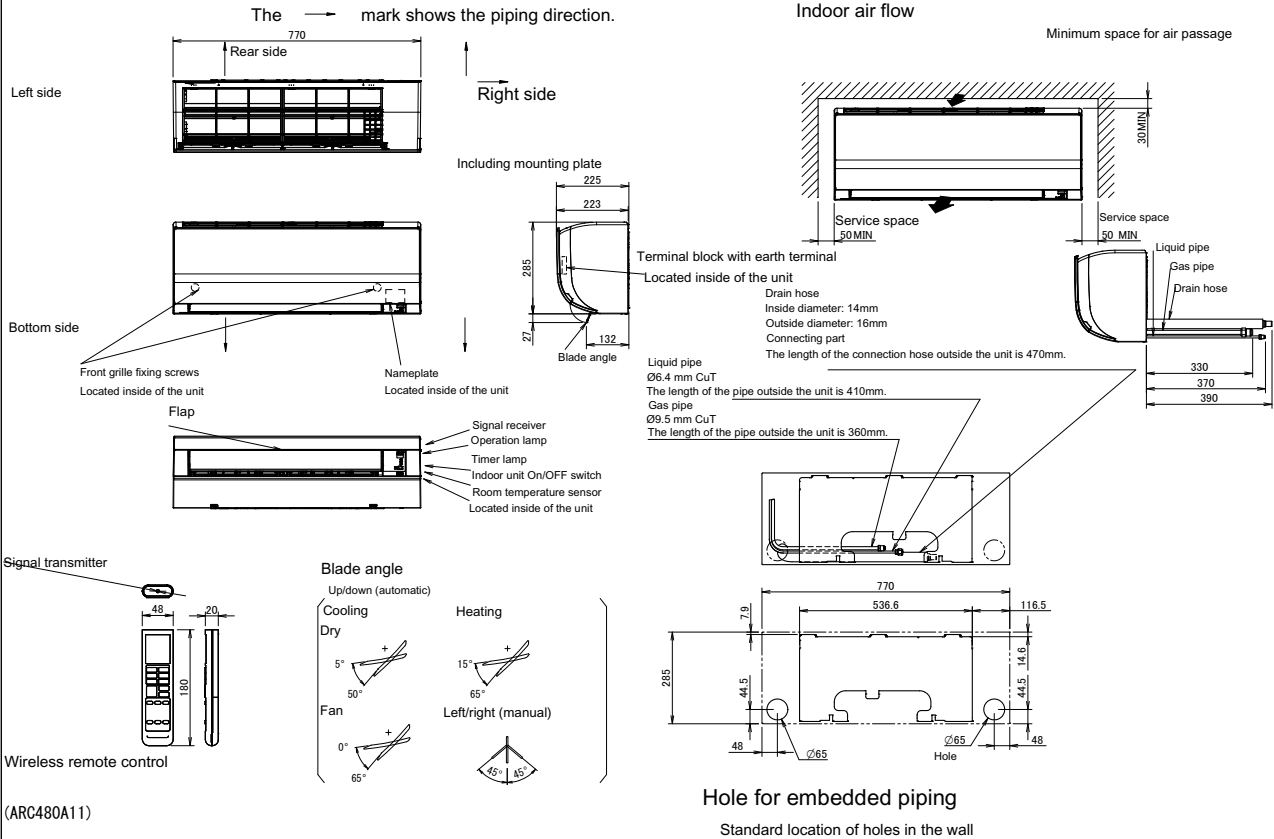
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4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXP20-35M

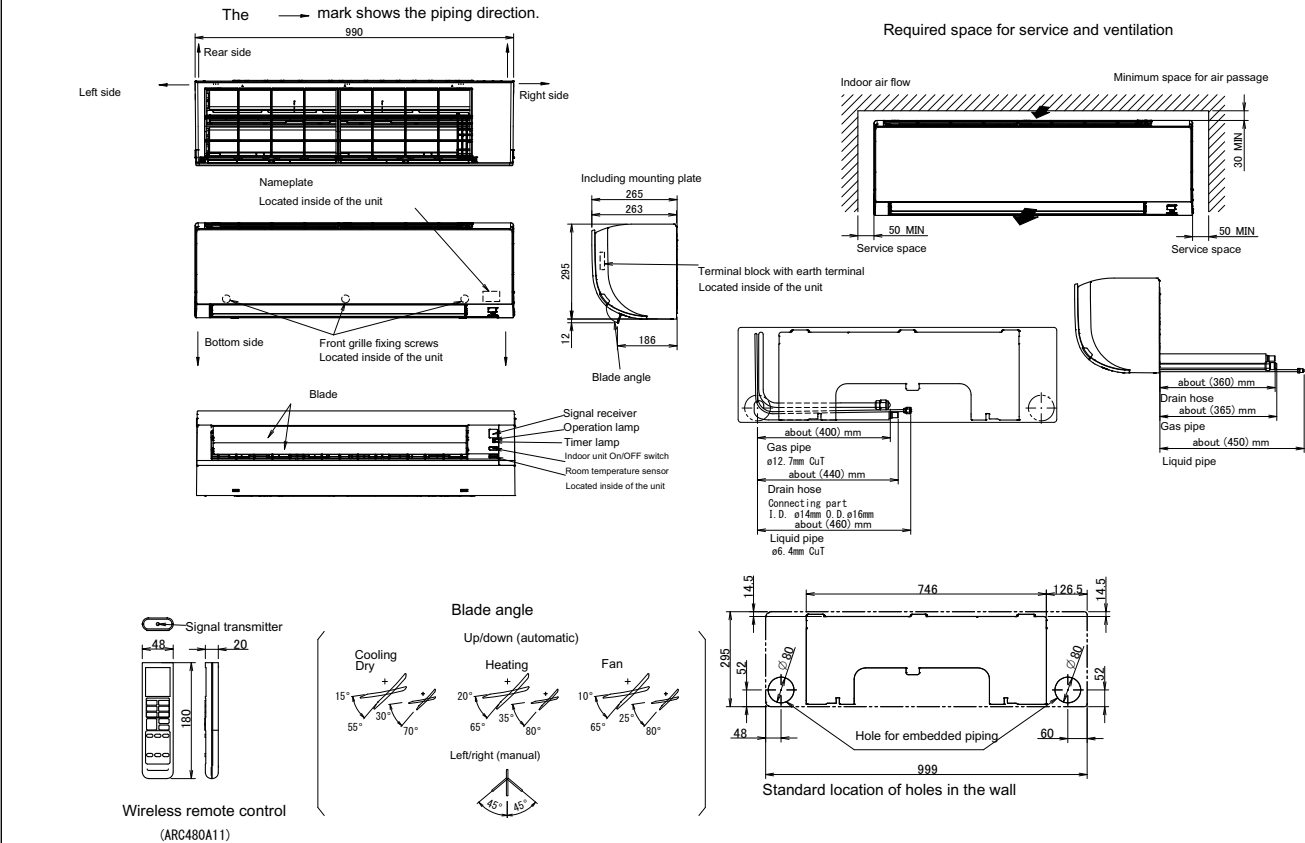
Required space for service and ventilation



3D098287B

FTXP50-71M

Required space for service and ventilation



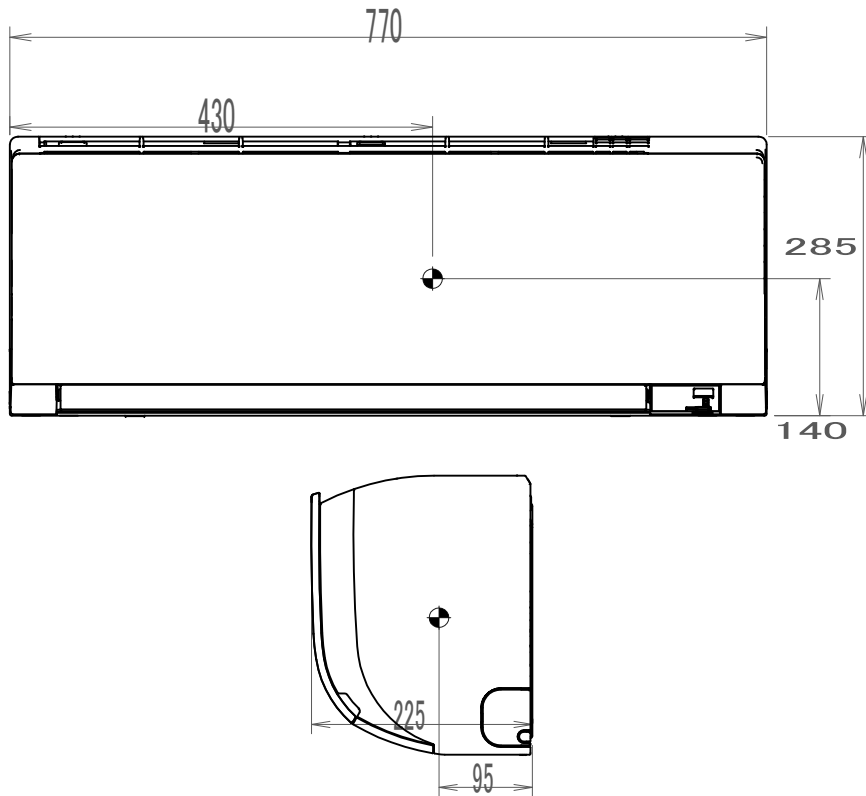
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5 Centre of gravity

5 - 1 Centre of Gravity

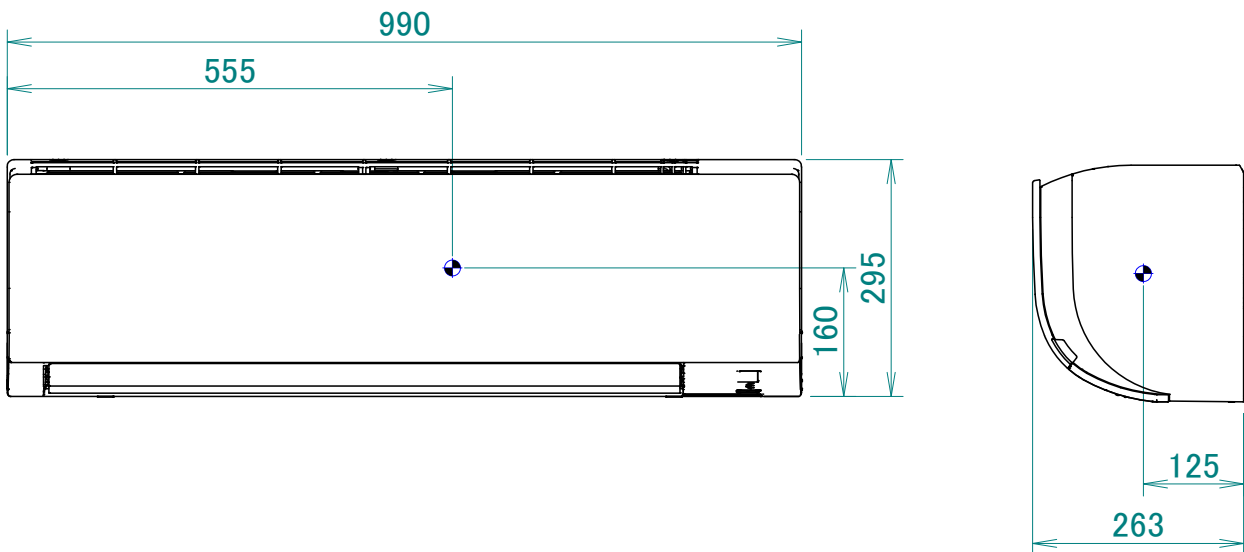
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FTXP20-35M



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FTXP50-71M

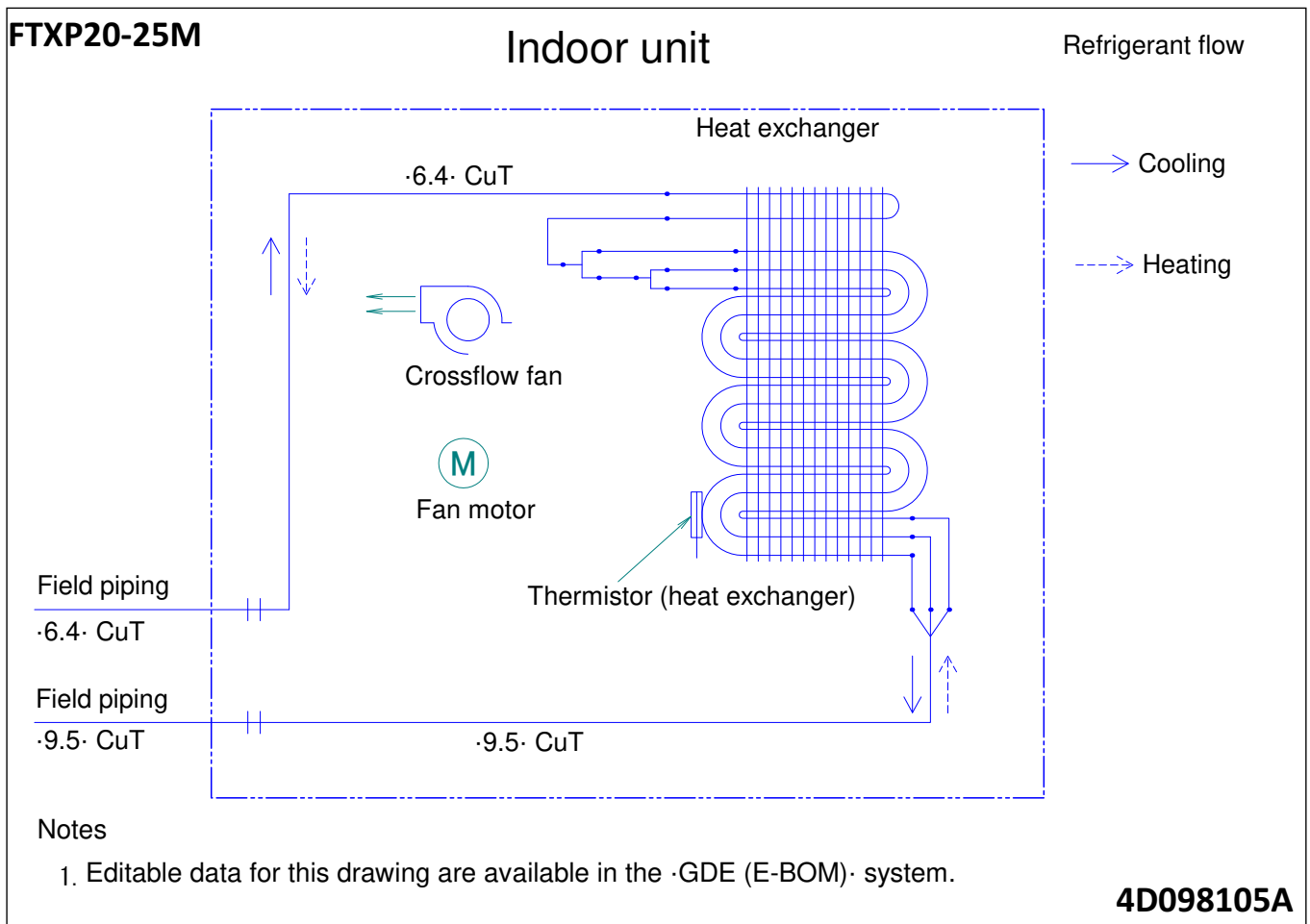


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6 Piping diagrams

6 - 1 Piping Diagrams

6

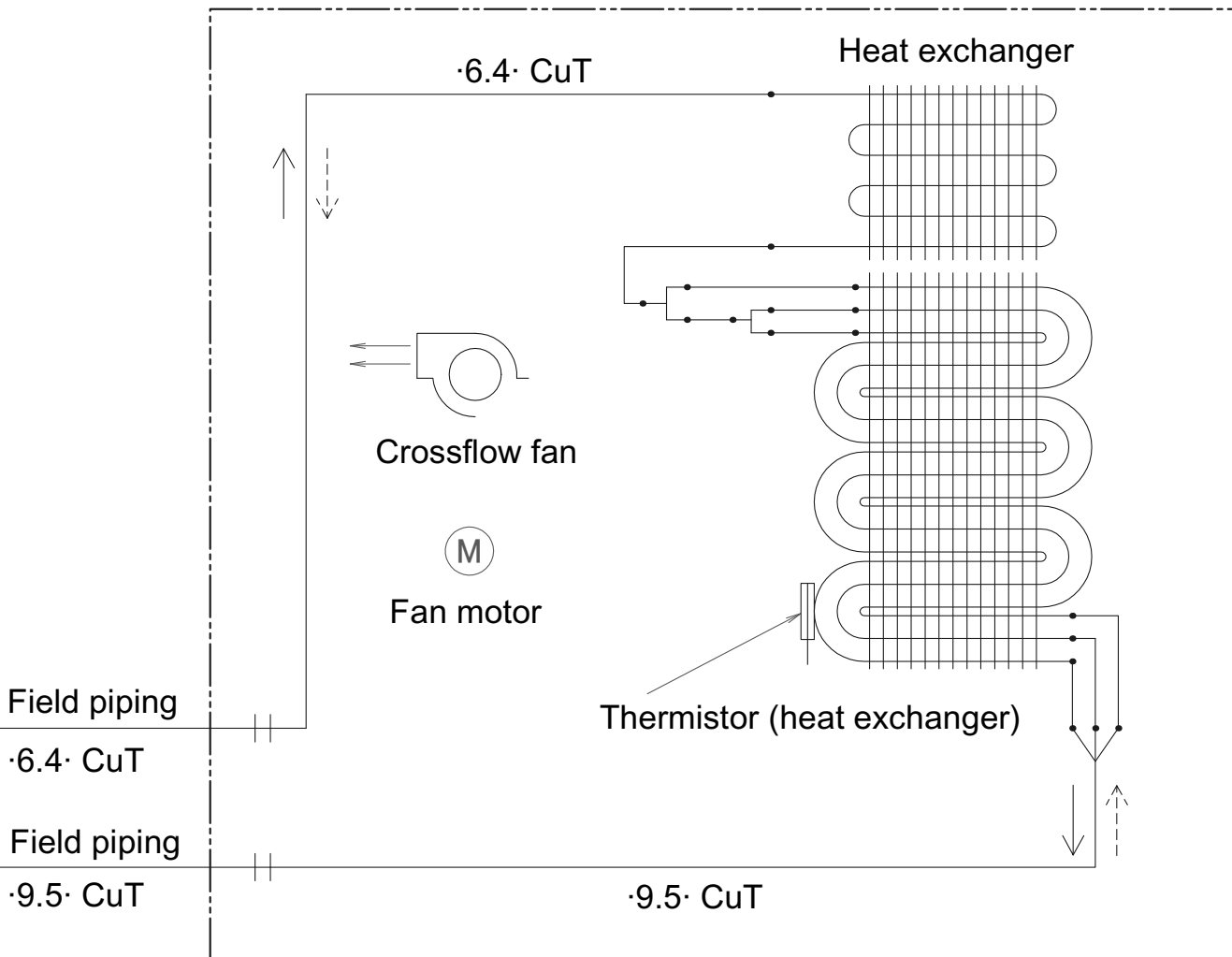


6 Piping diagrams

6 - 1 Piping Diagrams

FTXP35M

Indoor unit



Refrigerant flow

→ Cooling

- - -> Heating

4D098106B

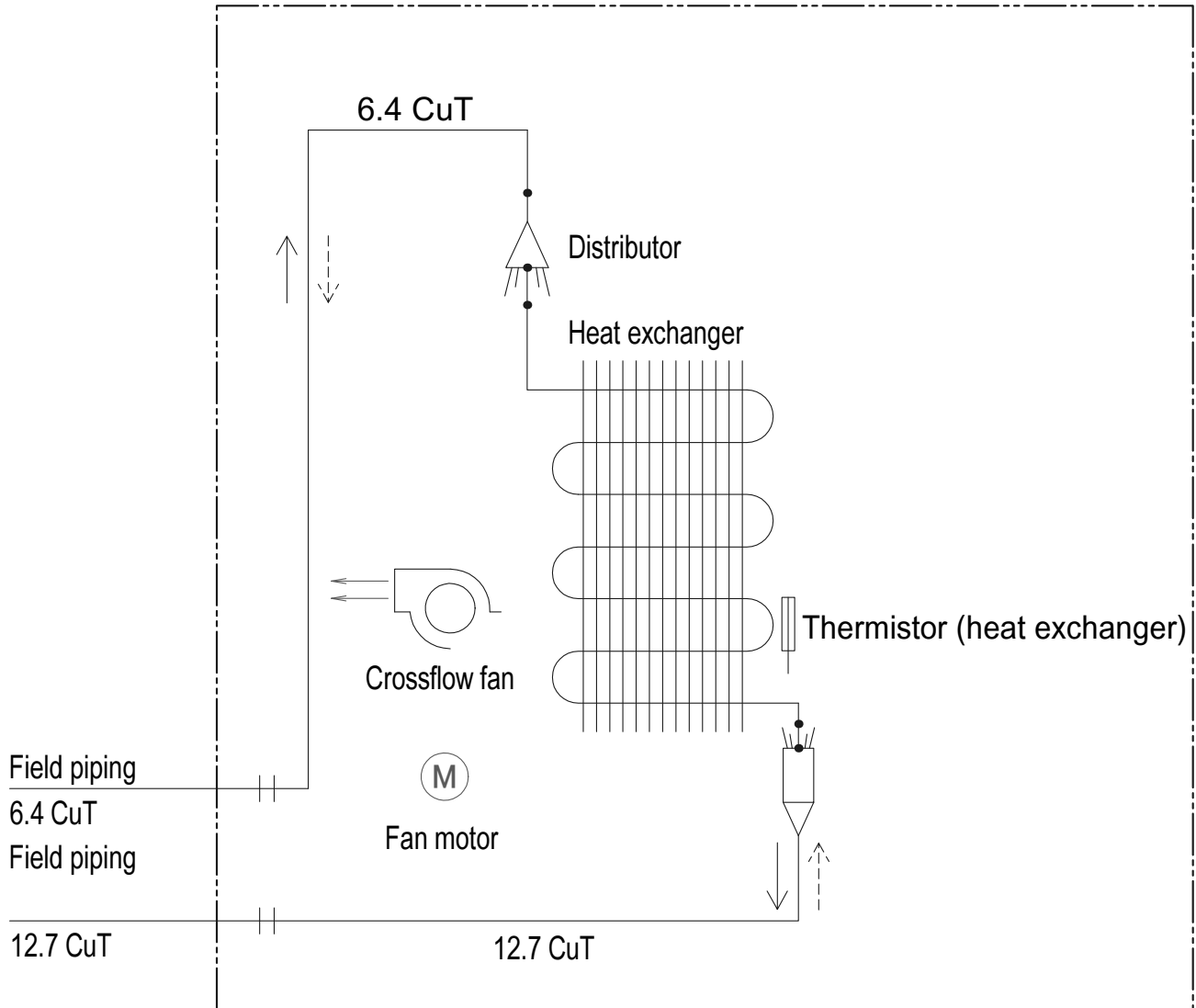
6 Piping diagrams

6 - 1 Piping Diagrams

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FTXP50-71M

Indoor unit



Refrigerant flow

→ Cooling

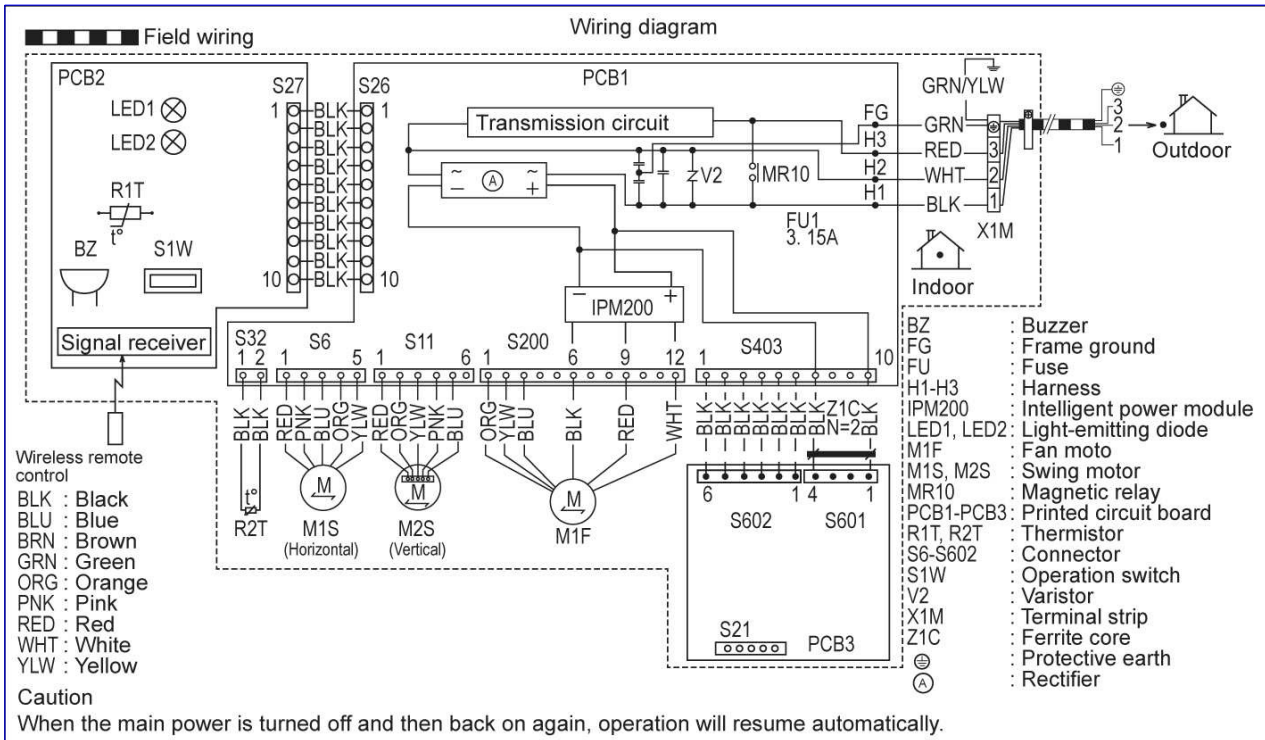
---→ Heating

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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXP20-35M

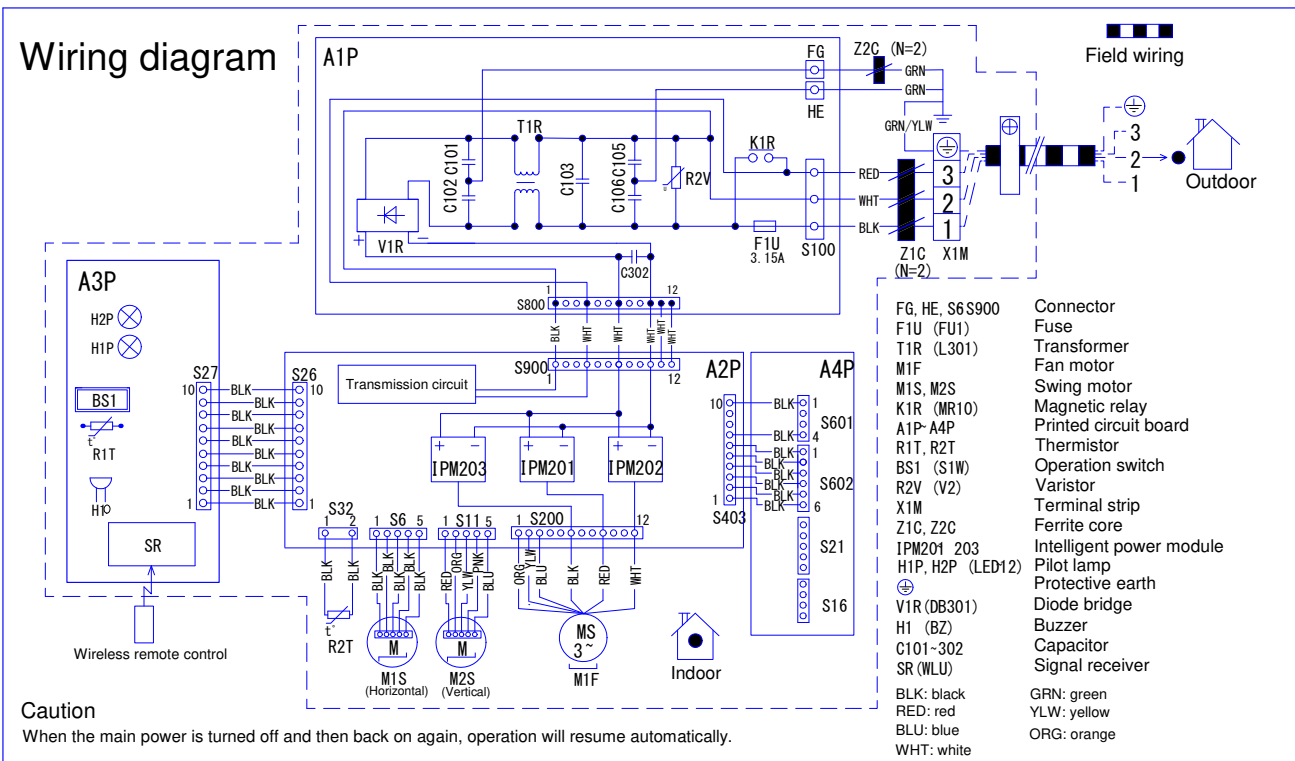


NOTES :

1. SIZE : LENGTH 70x WIDTH 120
2. REFER TO PURCHASING SPECIFICATION AS303002 UNLESS OTHERWISE SPECIFIED.
3. EDITABLE DATA FOR THIS DRAWING ARE AVAILABLE IN THE GDE (E-BOM) SYSTEM.

3D120753

FTXP50-71M



NOTES :

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

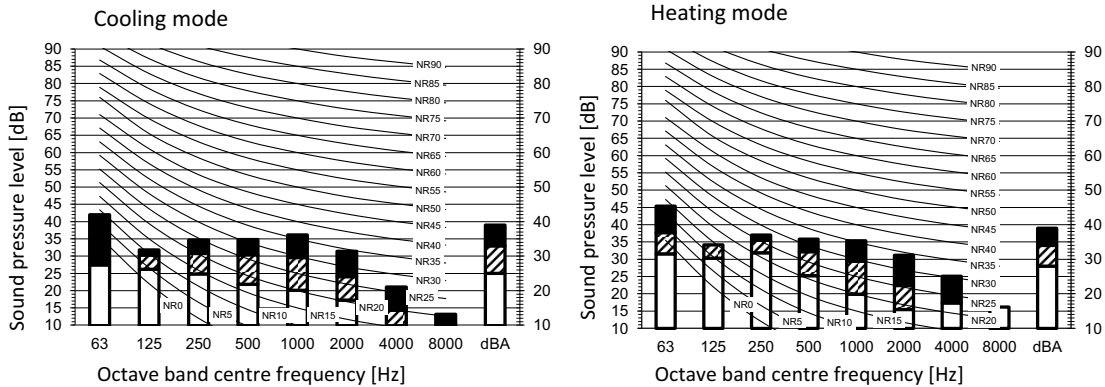
3D118438

8 Sound data

8 - 1 Sound Pressure Spectrum

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FTXP20M



Legend

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

A Scale	Fan speed
B	High
C	Medium
D	Low

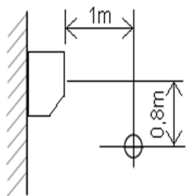
Cooling		Total dB	
A	B	C	D
dBA	39	33	25

Heating		Total dB	
A	B	C	D
dBA	39	34	28

Notes

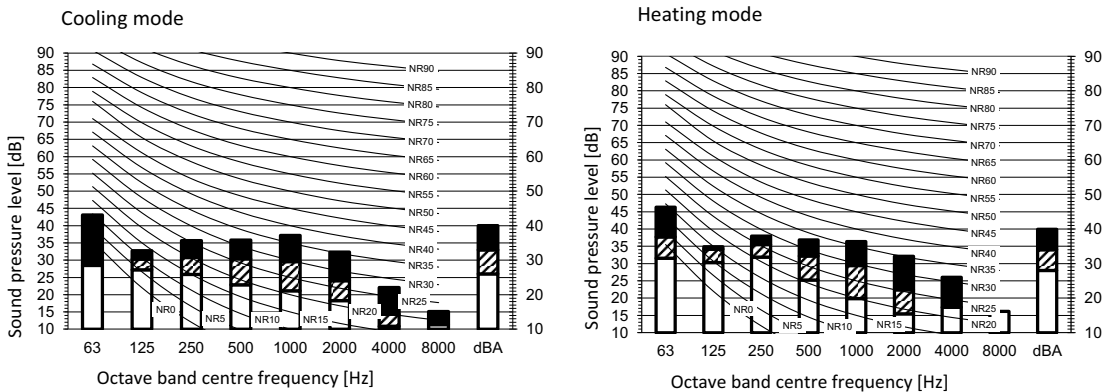
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

Location of microphone



3D108789A

FTXP25M



Legend

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

A Scale	Fan speed
B	High
C	Medium
D	Low

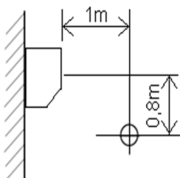
Cooling		Total dB	
A	B	C	D
dBA	40	33	26

Heating		Total dB	
A	B	C	D
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

Location of microphone

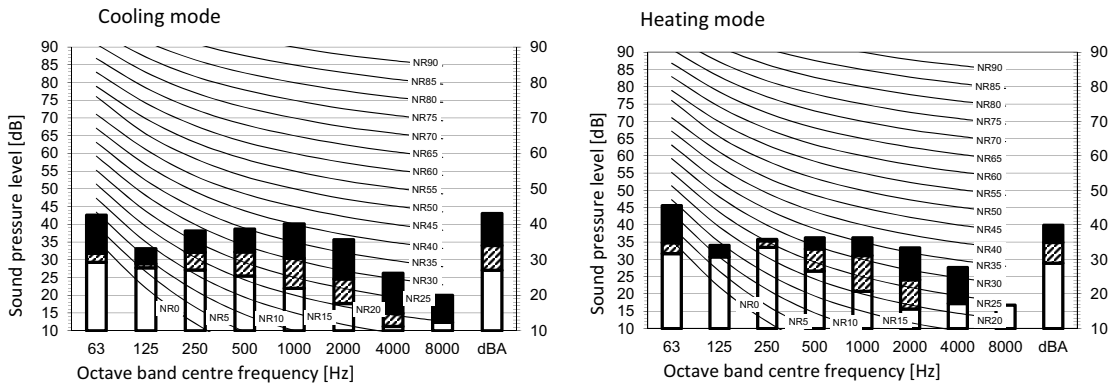


3D108790A

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXP35M



Legend

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

- A Scale Fan speed
- B High
 - C Medium
 - D Low

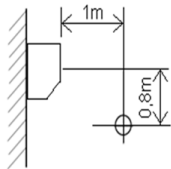
Cooling		Total dB	
A	B	C	D
dBA	43	34	27

Heating		Total dB	
A	B	C	D
dBA	40	35	29

Notes

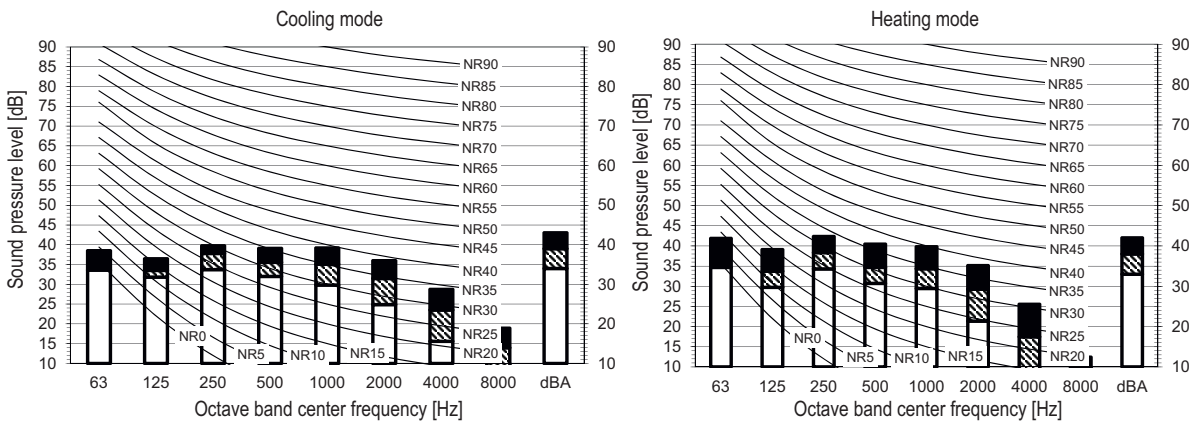
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

Location of microphone



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FTXP50M

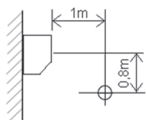


LEGEND

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	43	39	34

Heating		Total dB	
A	B	C	D
dBA	42	38	33

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
- Editable data for this drawing are available in the GDE (E-BOM) system.

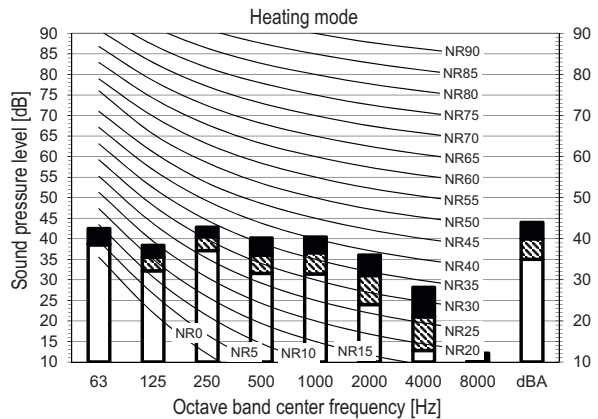
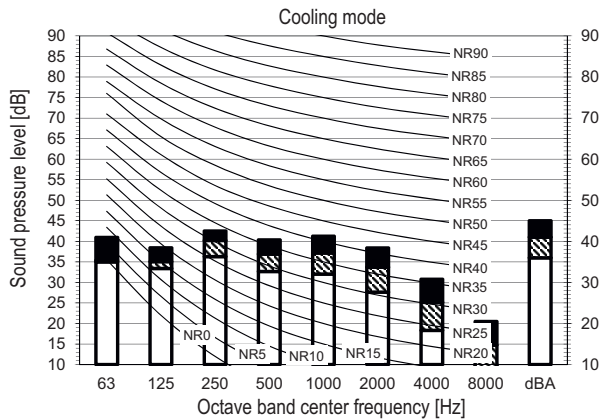
3D108792A

8 Sound data

8 - 1 Sound Pressure Spectrum

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FTXP60M

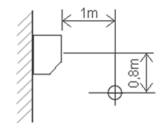


LEGEND

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

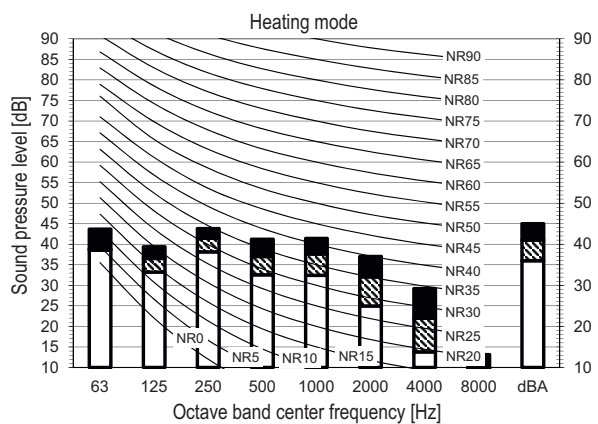
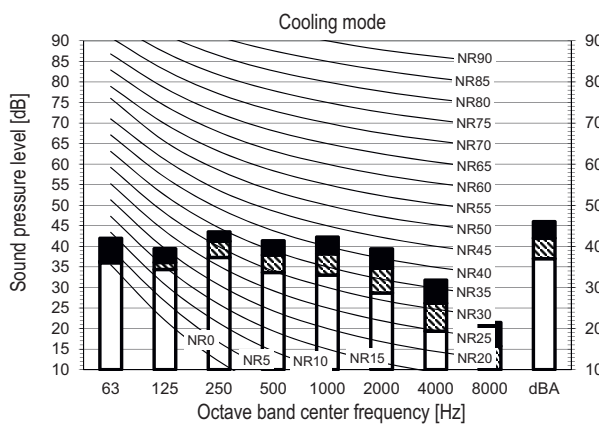
A	B	C	D
dBA	44	40	35

NOTES

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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FTXP71M

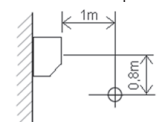


LEGEND

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

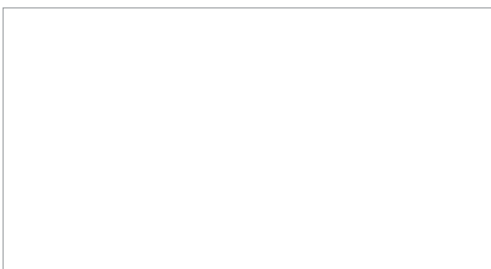
NOTES

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

3D115180



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