

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					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		1,140/990/840/760	
	Output		Rated					W		22					46		
Sound power level	Cooling				dBA		55			58		59		60		62	

2 Specifications

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

Notes

1. R32 models

Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
			FTXP20M5V1B	20	BMS-R32	DTAS
			FTXP25M5V1B	25	BMS-R32	DTAS
			FTXP35M5V1B	35	BMS-R32	DTAS
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

- 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

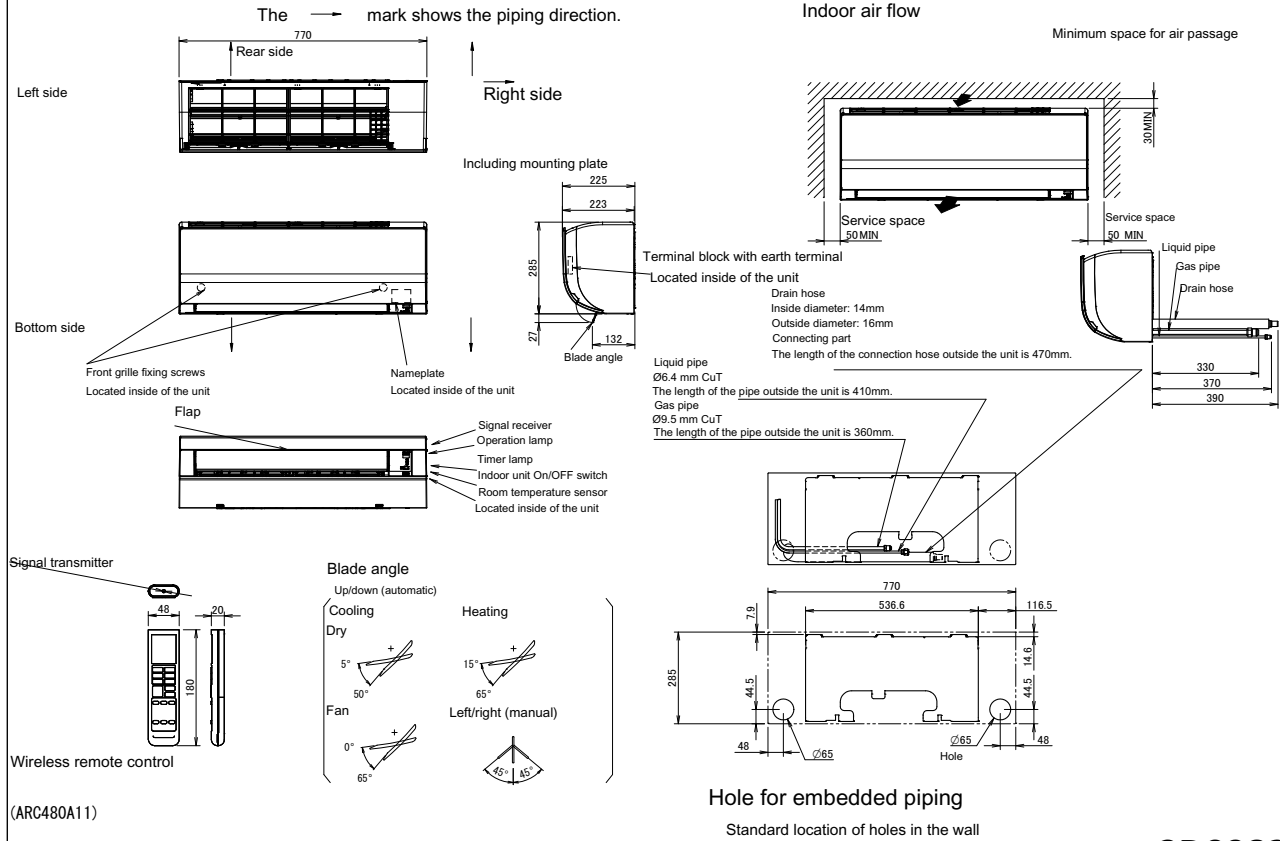
3D095173N

4 Dimensional drawings

4 - 1 Dimensional Drawings

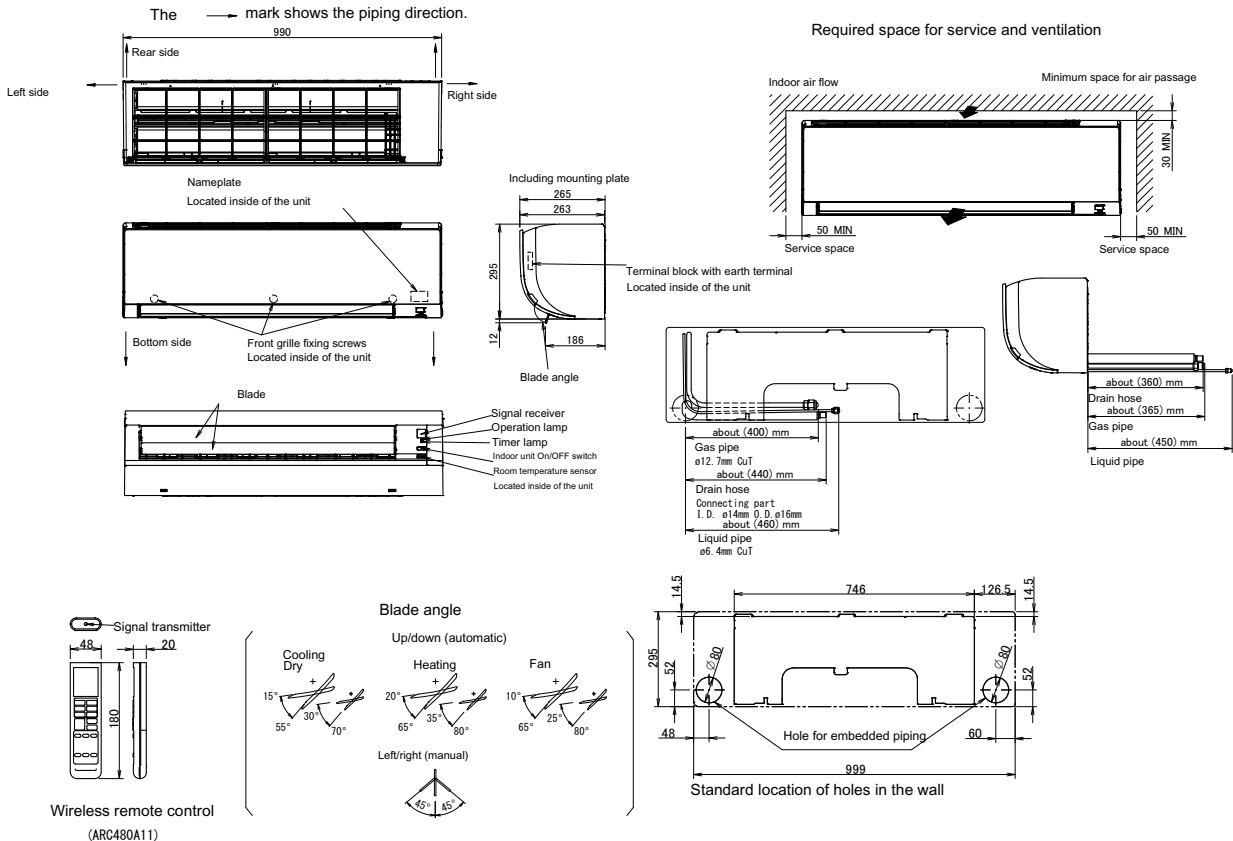
FTXP20-35M

Required space for service and ventilation



FTXP50-71M

Required space for service and ventilation

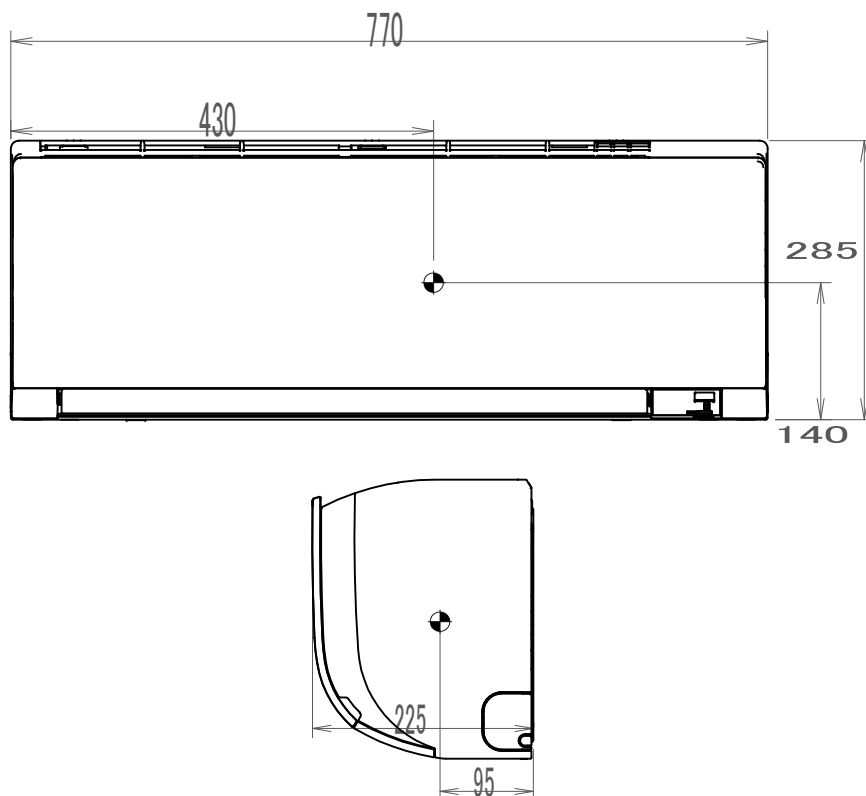


5 Centre of gravity

5 - 1 Centre of Gravity

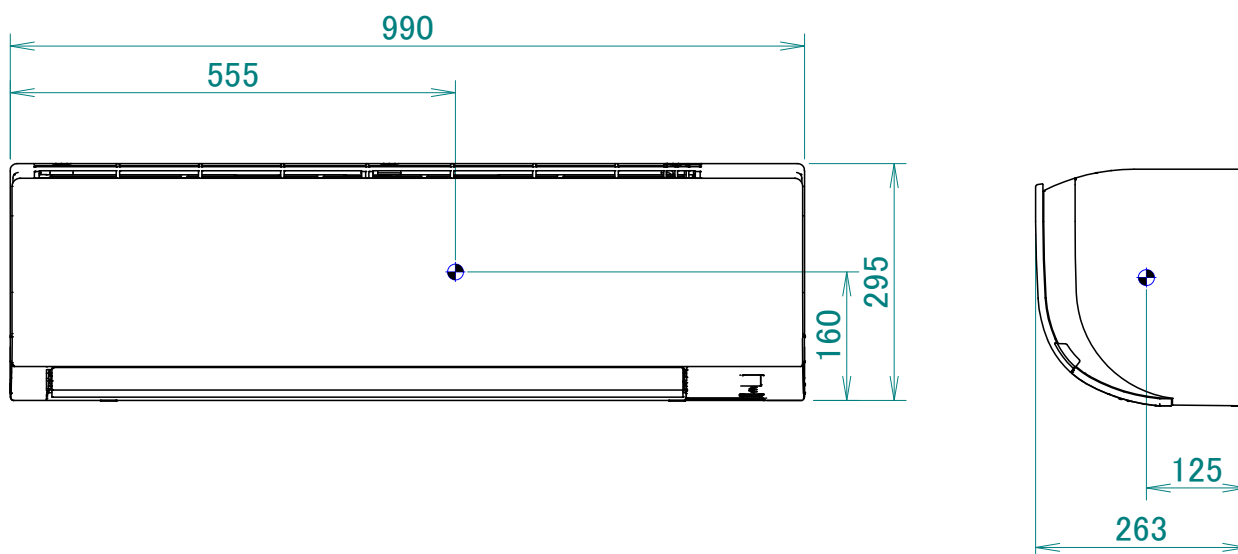
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FTXP20-35M



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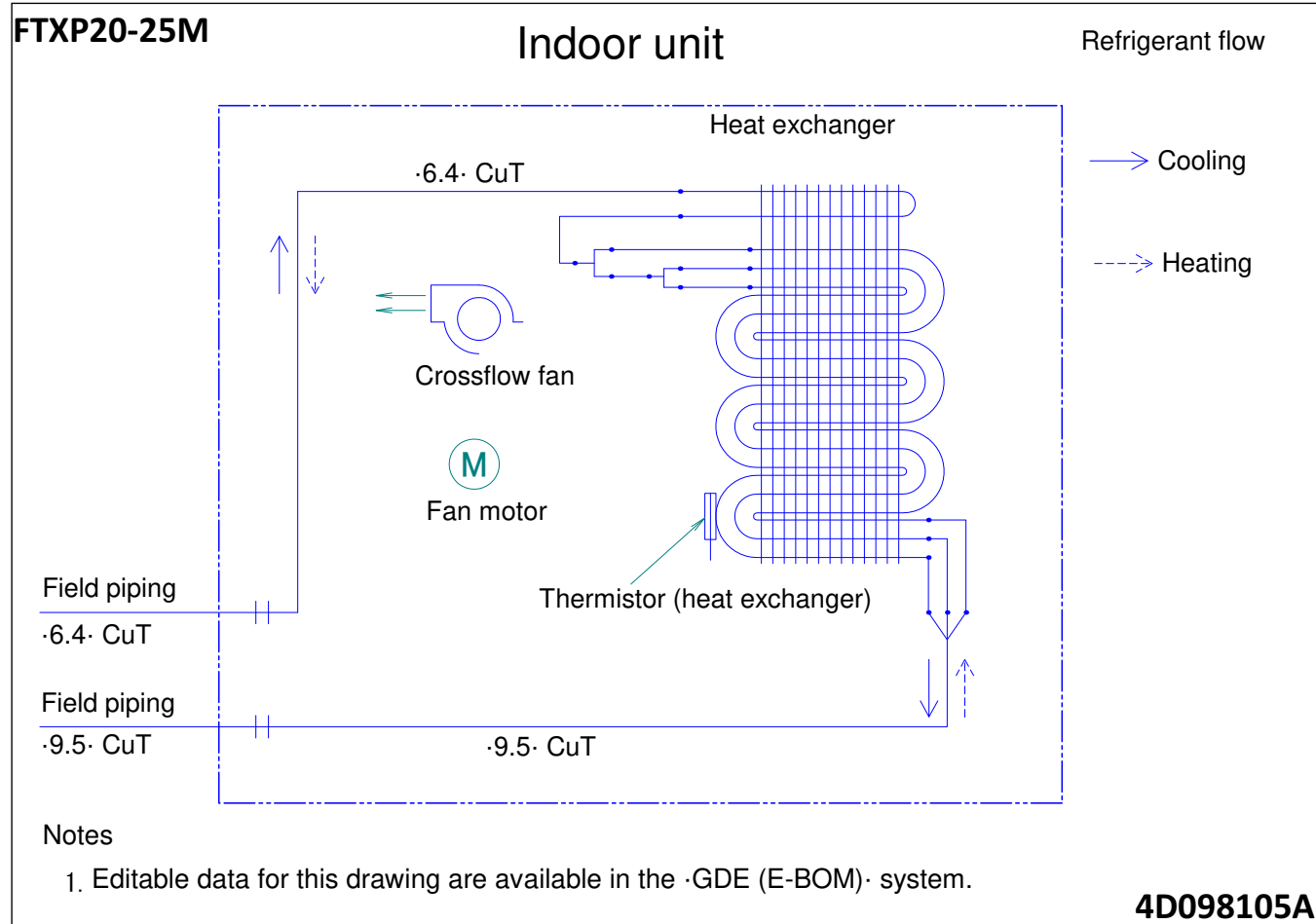
FTXP50-71M



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6 Piping diagrams

6 - 1 Piping Diagrams

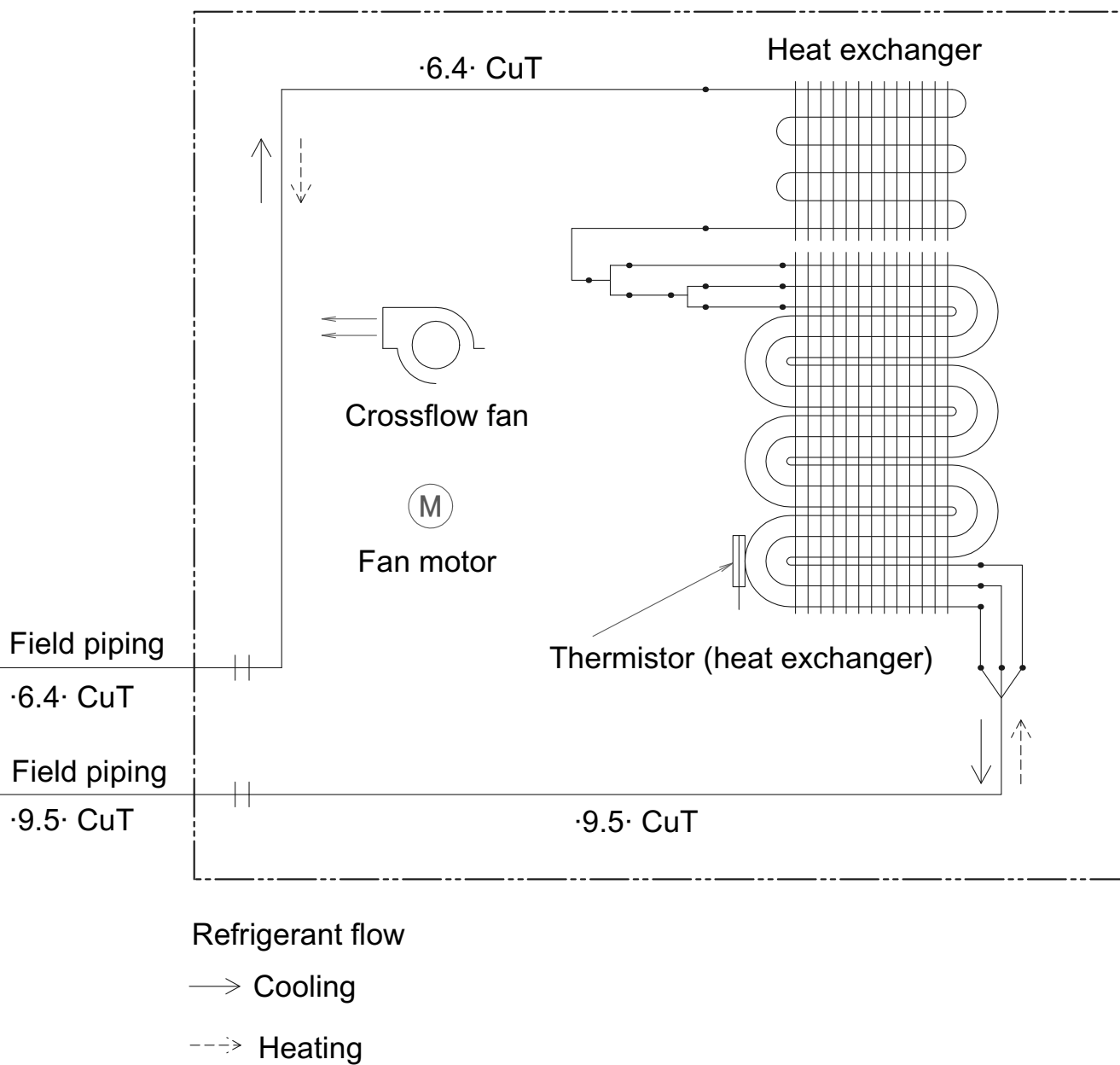


6 Piping diagrams

6 - 1 Piping Diagrams

FTXP35M

Indoor unit



4D098106B

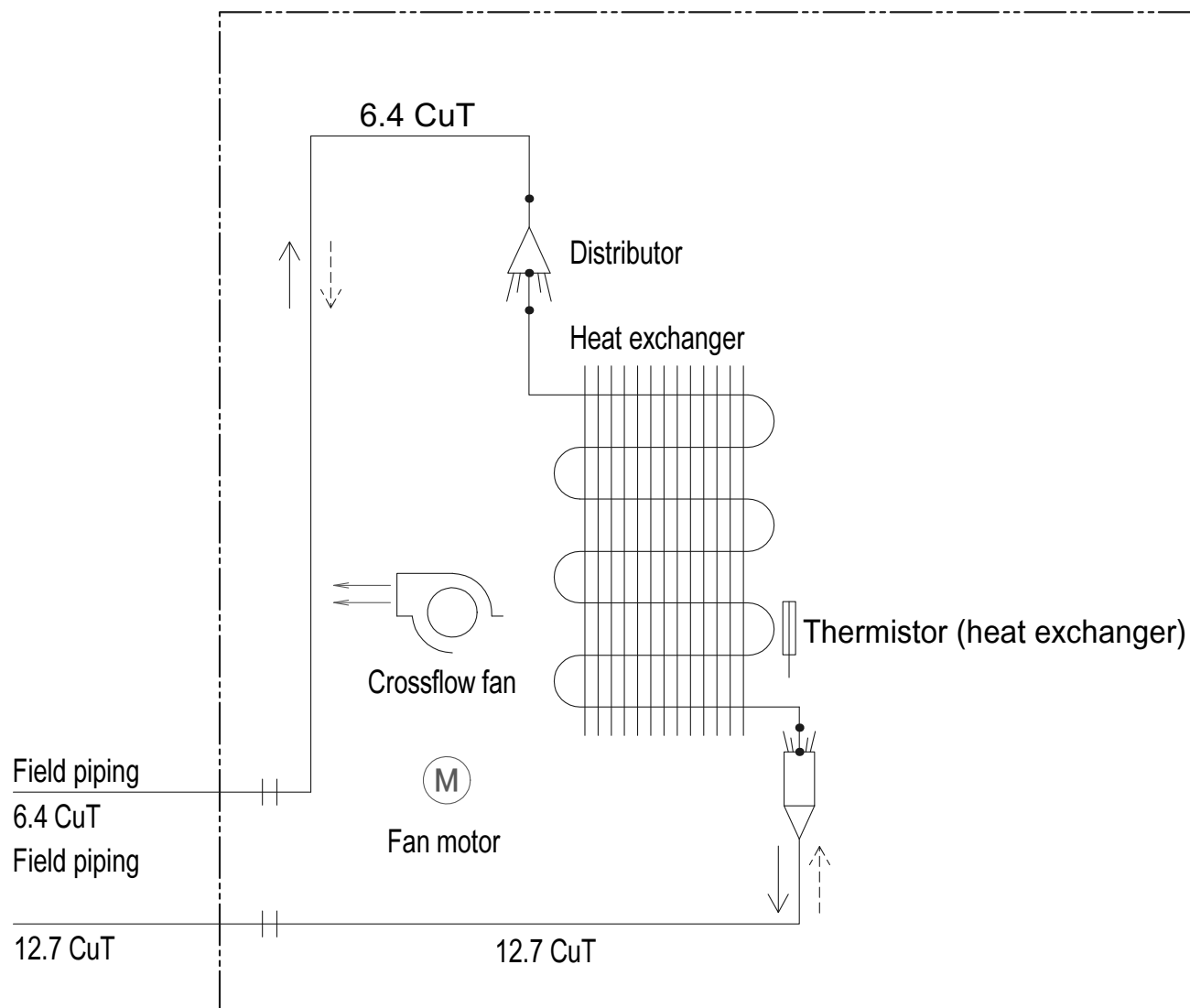
6 Piping diagrams

6 - 1 Piping Diagrams

FTXP50-71M

6

Indoor unit



Refrigerant flow

—> Cooling

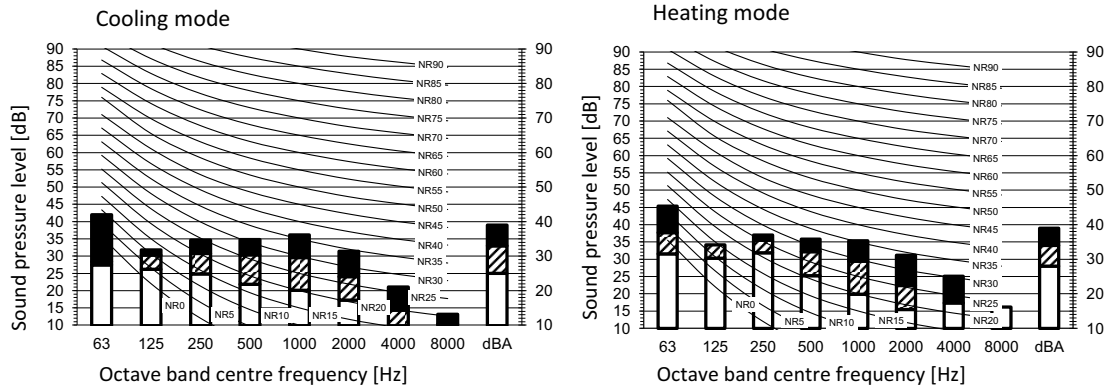
---> Heating

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXP20M



Legend

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

A Scale Fan speed
 B High
 C Medium
 D Low

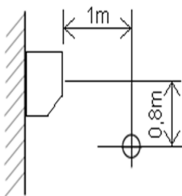
Cooling		Total dB	
A	B	C	D
dBA	39	33	25

Heating		Total dB	
A	B	C	D
dBA	39	34	28

Notes

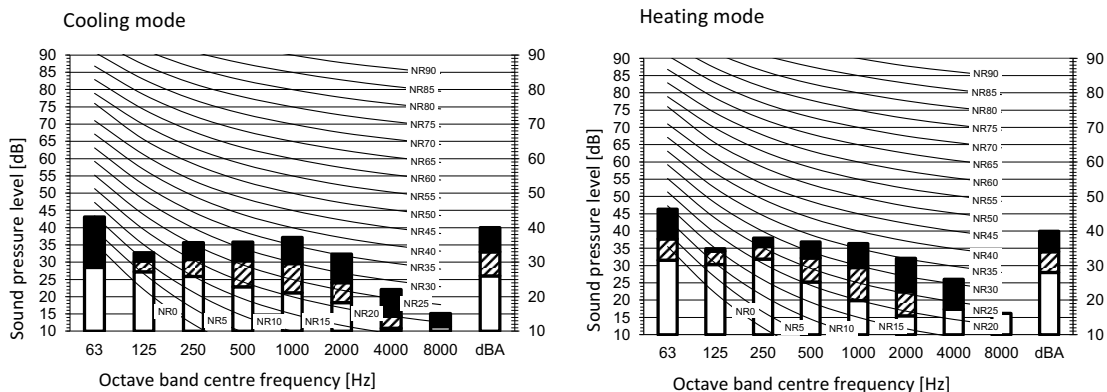
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

Location of microphone



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FTXP25M



Legend

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

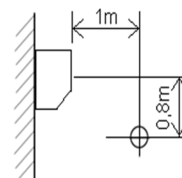
A Scale Fan speed
 B High
 C Medium
 D Low

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

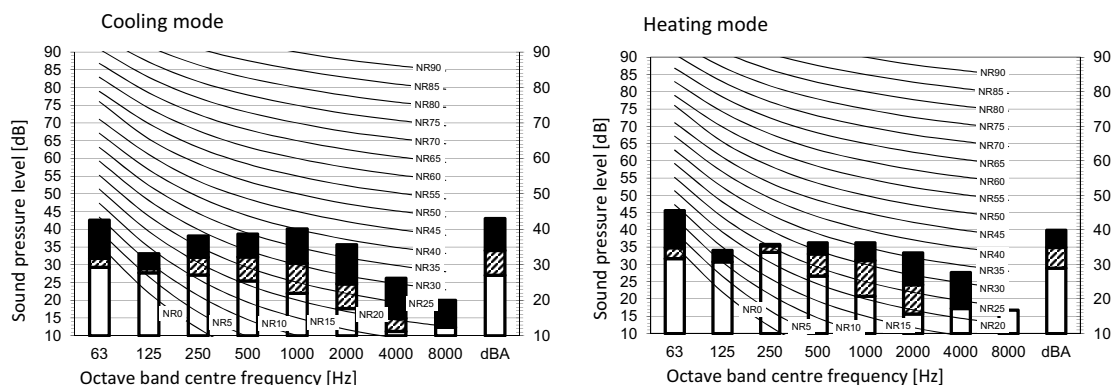


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8 Sound data

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

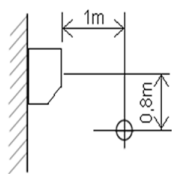
Cooling	Total dB
A	B
dBA	43
	34
	27

Heating	Total dB
A	B
dBA	40
	35
	29

Notes

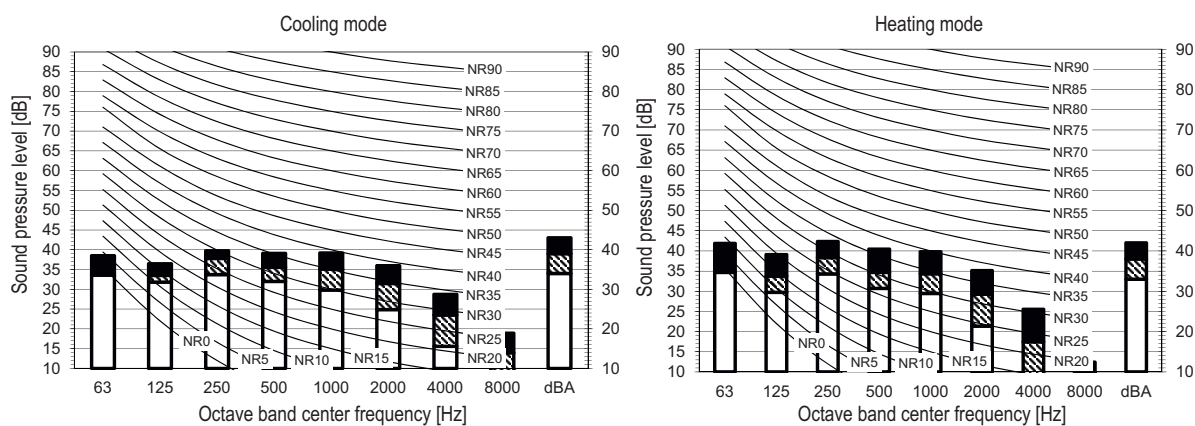
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

Location of microphone



3D108791A

FTXP50M

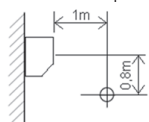


LEGEND

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

A Scale Fan speed: High
 B Fan speed: Medium
 C Fan speed: Low

Location of microphone



Cooling	Total db
A	B
dBA	43
	39
	34

Heating	Total dB
A	B
dBA	42
	38
	33

NOTES

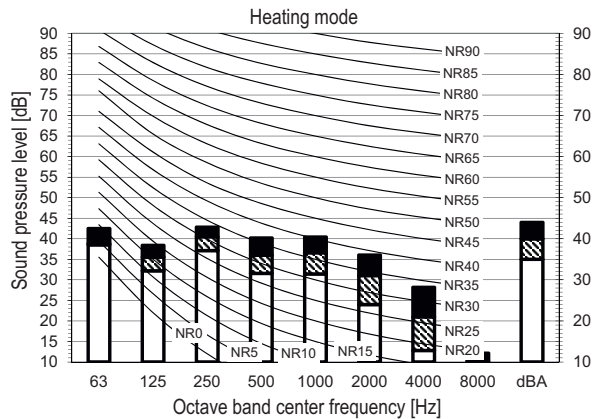
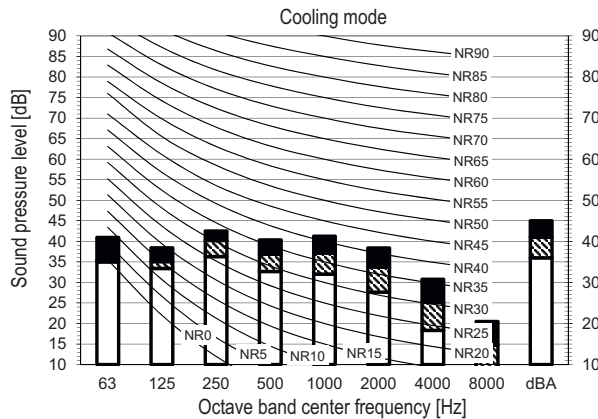
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber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

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXP60M

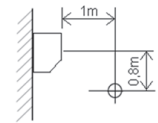


LEGEND

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

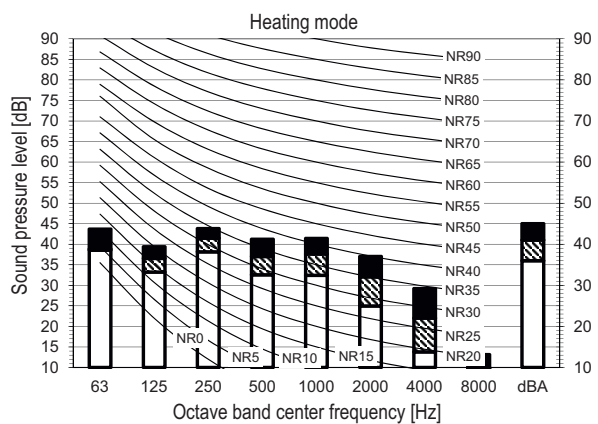
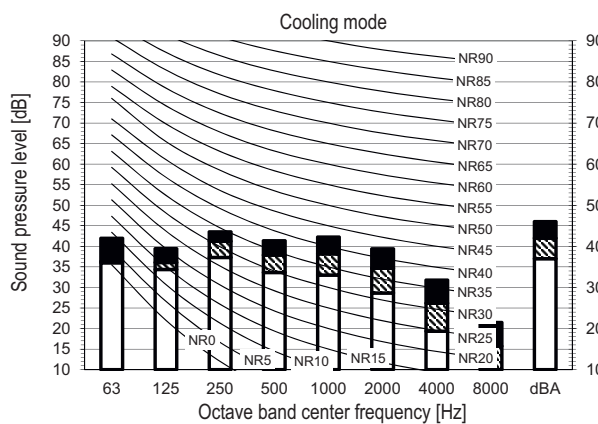
A	B	C	D
dBA	44	40	35

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

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FTXP71M

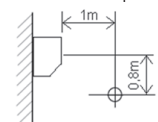


LEGEND

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

- 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

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