

Air Conditioning Technical Data

FVXM-F



- > FVXM25FV1B9
- > FVXM35FV1B9
- > FVXM50FV1B9

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1 Features

Floor standing unit for optimal heating comfort thanks to dual airflow

- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- 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
- Quiet operation: down to 23dBA sound pressure level
- 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



Econo mode



Night set mode



Fan only



Powerful mode



Auto cooling-
heating
changeover



Indoor unit
silent operation



Outdoor unit
silent operation



Vertical auto
swing



Auto fan speed



Fan speed
steps



Dry programme



Titanium apatite
deodorising
filter



Weekly timer



24 hour timer



Infrared remote
control



Centralised
control



Online
controller via
app



Auto-restart



Self diagnosis



Multi model
application

2 Specifications

2-1 Technical Specifications					FVXM25F		FVXM35F		FVXM50F	
Power input	Cooling	Nom.	kW		0.015 (1)				0.027 (1)	
	Heating	Nom.	kW		0.017 (1)				0.034 (1)	
Casing	Colour				White					
Dimensions	Unit	Height/Width/Depth	mm		600/700/210					
	Packed unit	Height/Width/Depth	mm		696/786/280					
Weight	Unit		kg		14					
	Packed unit		kg		18					
Heat exchanger	Length		mm		510					
	Rows	Quantity			2					
	Fin pitch		mm		1.2					
	Stages	Quantity			22					
	Passes	Quantity			2				3	
	Tube type		ø6.35 Hi-XU							
	Fin	Type			Multi slit fin					
Air filter	Type				Removable / washable					
Fan	Type				Turbo fan					
	Quantity				1					
	Air flow rate	Cooling	High	m³/min	8.2	8.5		10.1		
				cfm	290	300		357		
			Medium	m³/min	6.5	6.7		8.9		
				cfm	230	237		314		
			Low	m³/min	4.8	4.9		7.8		
				cfm	169	173		275		
		Silent operation	m³/min	4.1	4.5		6.6			
			cfm	145	159		233			
		Heating	High	m³/min	8.8	9.4		11.8		
				cfm	311	332		417		
			Medium	m³/min	6.9	7.3		10.1		
				cfm	244	258		357		
	Low		m³/min	5.0	5.2		8.5			
			cfm	177	184		300			
	Silent operation	m³/min	4.4	4.7		7.1				
		cfm	155	166		251				
Fan motor	Quantity				1					
	Model				D48D-28					
	Speed	Steps			5 + silent, + auto					
		Cooling	High/Medium/Low/Silent operation	rpm	640/520/400/360		650/530/410/380		760/680/600/510	
					680/550/420/380		700/560/420/390		850/740/630/540	
Sound power level	Cooling		dBA		52				57	
	Cooling	High/Medium/Low/Silent operation	dBA	38/32/26/23		39/33/27/24		44/40/36/32		
				38/32/26/23		39/33/27/24		45/40/36/32		
Control systems	Infrared remote control				ARC452A1					
Refrigerant	Type				R-32					

2 Specifications

2-1 Technical Specifications			FVXM25F	FVXM35F	FVXM50F
Piping connections	Liquid	OD	6,4		
	Gas	OD	9.5		
	Drain		VP20 (I.D. 20/O.D. 26)		
	Heat insulation		Both liquid and gas pipes		
Temperature control			Microcomputer control		
Air direction control			Right, Left, Horizontal, Downward		

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 : Drain hose; Quantity : 1;

Standard Accessories : Insulation sheet; Quantity : 2;

Standard Accessories : Titanium apatite deodorizing filter; Quantity : 2;

Standard Accessories : Installation plate; Quantity : 1;

2-2 Electrical Specifications				FVXM25F	FVXM35F	FVXM50F
Power supply	Phase			1~		
	Frequency		Hz	50		
	Voltage		V	220-230-240		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.14 (2) / 0.13 (3) / 0.12 (4)		0.18 (2) / 0.17 (3) / 0.16 (4)
		Heating	A	0.15 (2) / 0.14 (3) / 0.13 (4)		0.17 (2) / 0.17 (3) / 0.16 (4)
Wiring connections - 50Hz	For power supply	Remark		4 for interunit wiring (earth wire included)		

Notes

(1) 50Hz, 220-230-240V

(2) 220V

(3) 230V

(4) 240V

Options

3 - 1 Options

FVXM-F

WIFI-F

			Applicable models	Class	Casing	Factory
			FTXJ20LV1BW	20	EMURA2	DCZ
			FTXJ20LV1BS	20	EMURA2	DCZ
			FTXJ25LV1BW	25	EMURA2	DCZ
			FTXJ25LV1BS	25	EMURA2	DCZ
			FTXJ35LV1BW	35	EMURA2	DCZ
			FTXJ35LV1BS	35	EMURA2	DCZ
			FTXJ50LV1BW	50	EMURA2	DCZ
			FTXJ50LV1BS	50	EMURA2	DCZ
			FTXM20K3V1B	20	SCW	DCZ
			FTXM25K3V1B	25	SCW	DCZ
			FTXM35K3V1B	35	MCW	DCZ
			FTXM42K3V1B	42	MCW	DCZ
			FTXM50K3V1B	50	MCW	DCZ
			FTXZ25NV1B	25	S14	DIU(B)
			FTXZ35NV1B	35	S14	DIU(B)
			FTXZ50NV1B	50	S14	DIU(B)
			FTXP20K2V1B	20	BMS-R32	DCZ
			FTXP25K2V1B	25	BMS-R32	DCZ
			FTXP35K2V1B	35	BMS-R32	DCZ
			ATXP20K2V1B	20	BMS-R32	DCZ
			ATXP25K2V1B	25	BMS-R32	DCZ
			ATXP35K2V1B	35	BMS-R32	DCZ
			FVM25FV1B(9)	25	06-FV	DIU(B)
			FVM35FV1B(9)	35	06-FV	DIU(B)
			FVM50FV1B(9)	50	06-FV	DIU(B)
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)	KRP413AB15					
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	KRP928B25					
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	KX910AA4					
Anti-theft protection for remote control	KX917AA4					
Anti-theft protection for remote control	KX936A4					
Installation frame for floor-standing units	KXS02B44					
Optional remote control BRC480A54 for heating-only indoor units	BRC54A	(7)				

Notes

1.R32 models

Legend

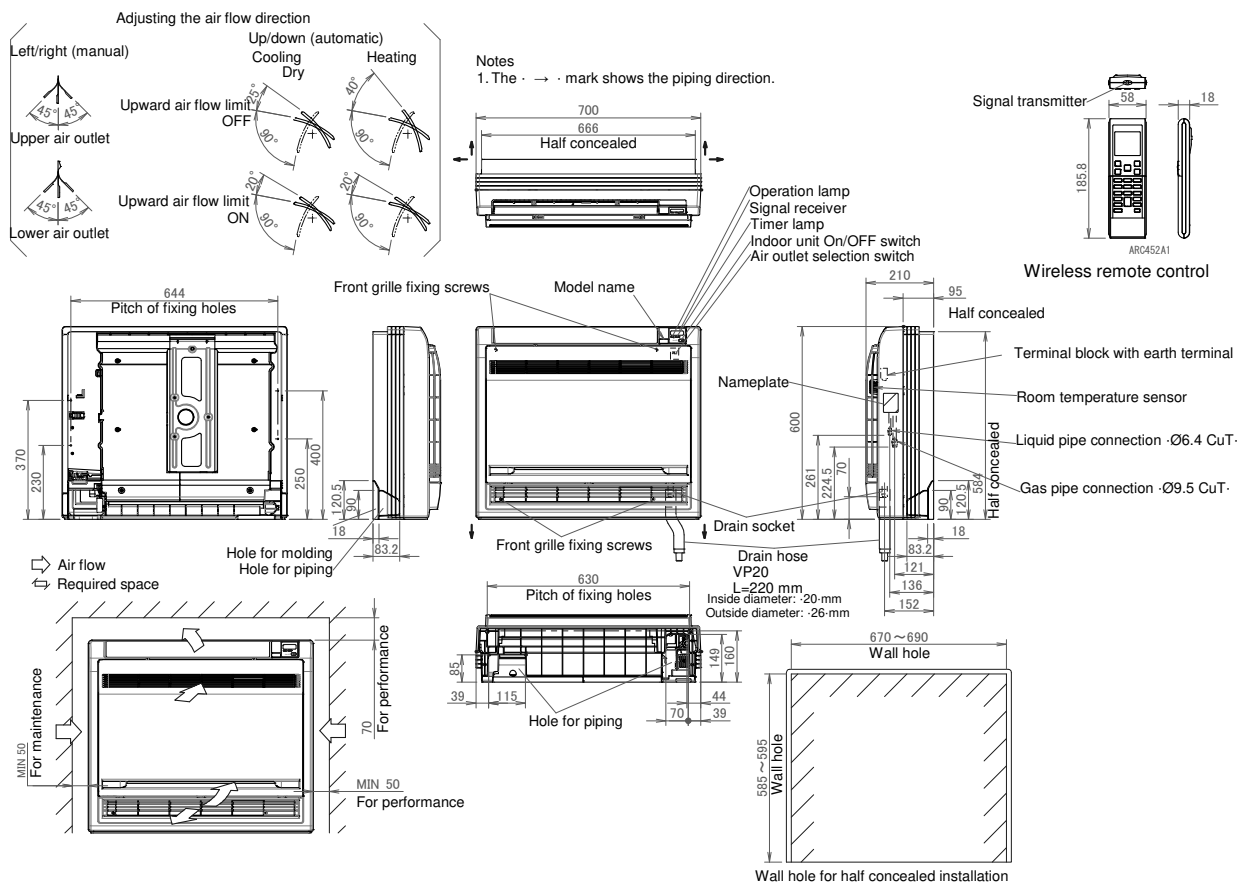
- ① Three-dimensional knitted fabric (-42x275-mm) + activated charcoal net
- ② Three-dimensional knitted fabric (-42x255-mm) + activated charcoal net
- ③ Corrugated fiberboard (-42x275-mm)
- ④ Without connection cable
- ⑤ Option -BRP069A**-. was replaced by option -BRP069B**.
- ⑥ This option is no longer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

3D095173P-1

4 Dimensional drawings

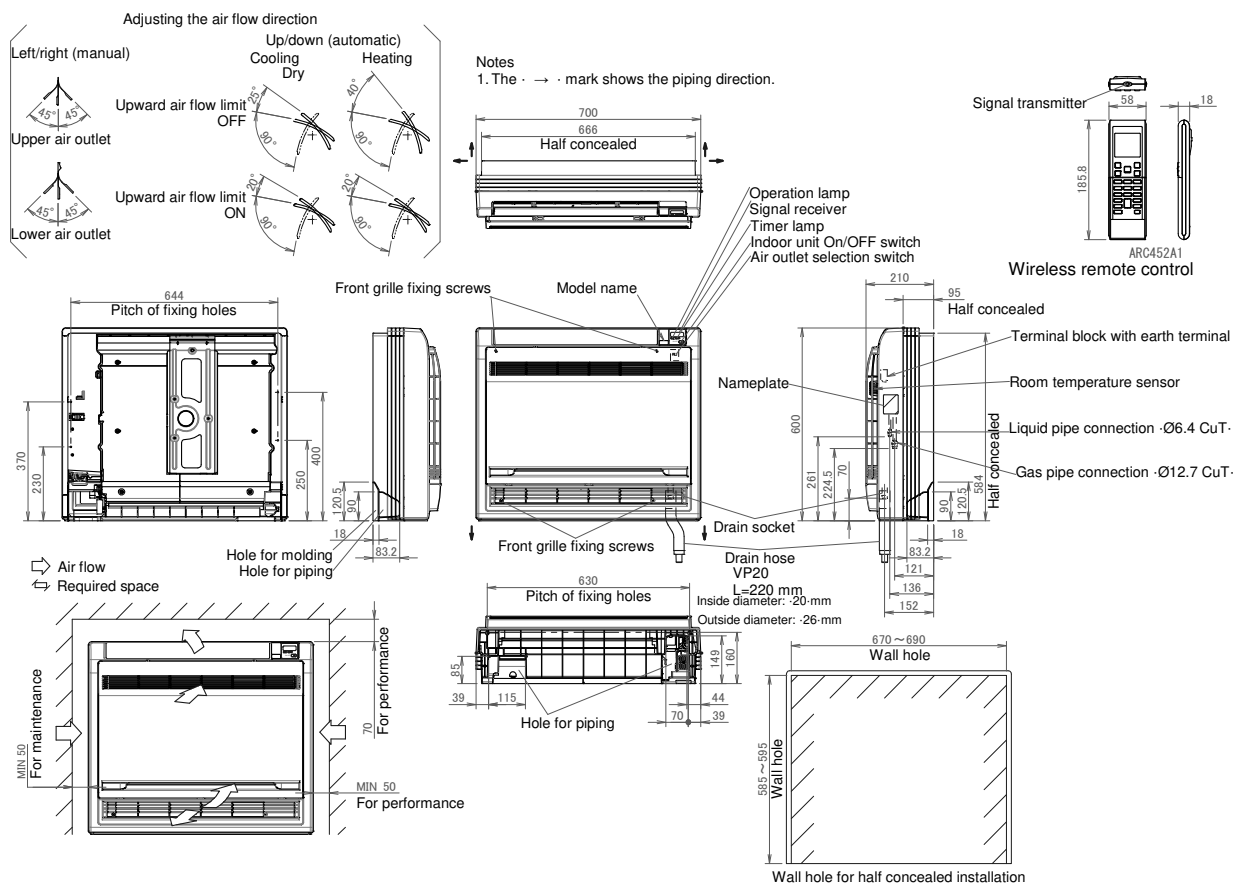
4 - 1 Dimensional Drawings

FVXM25-35F



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FVXM50F

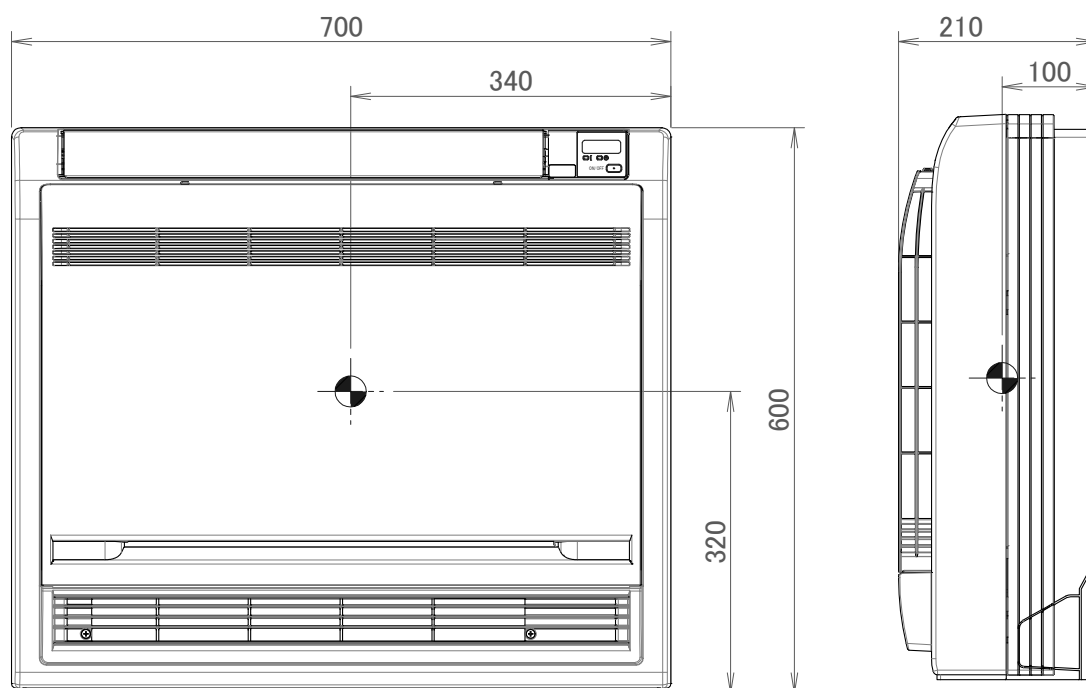


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5 Centre of gravity

5 - 1 Centre of Gravity

FVXM-F



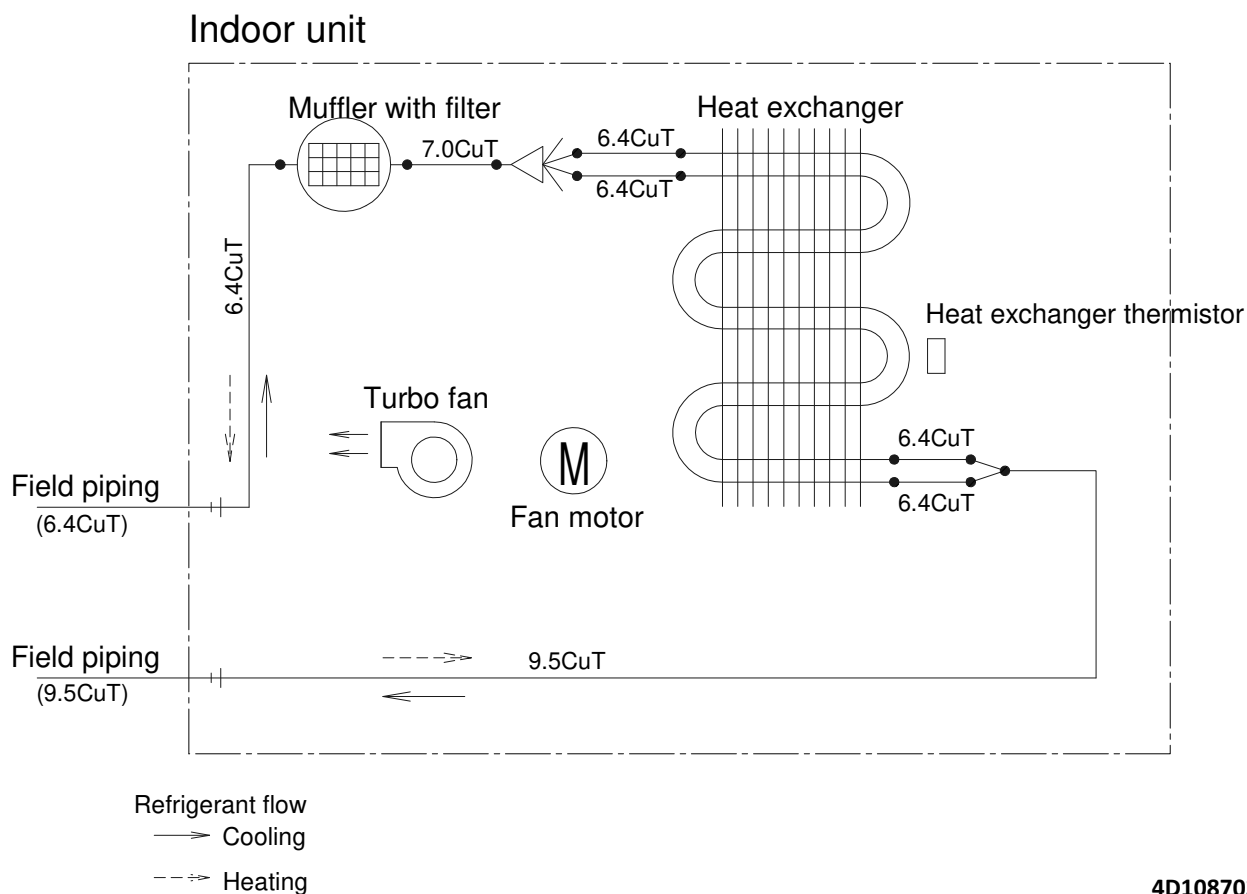
4D108705A

6 Piping diagrams

6 - 1 Piping Diagrams

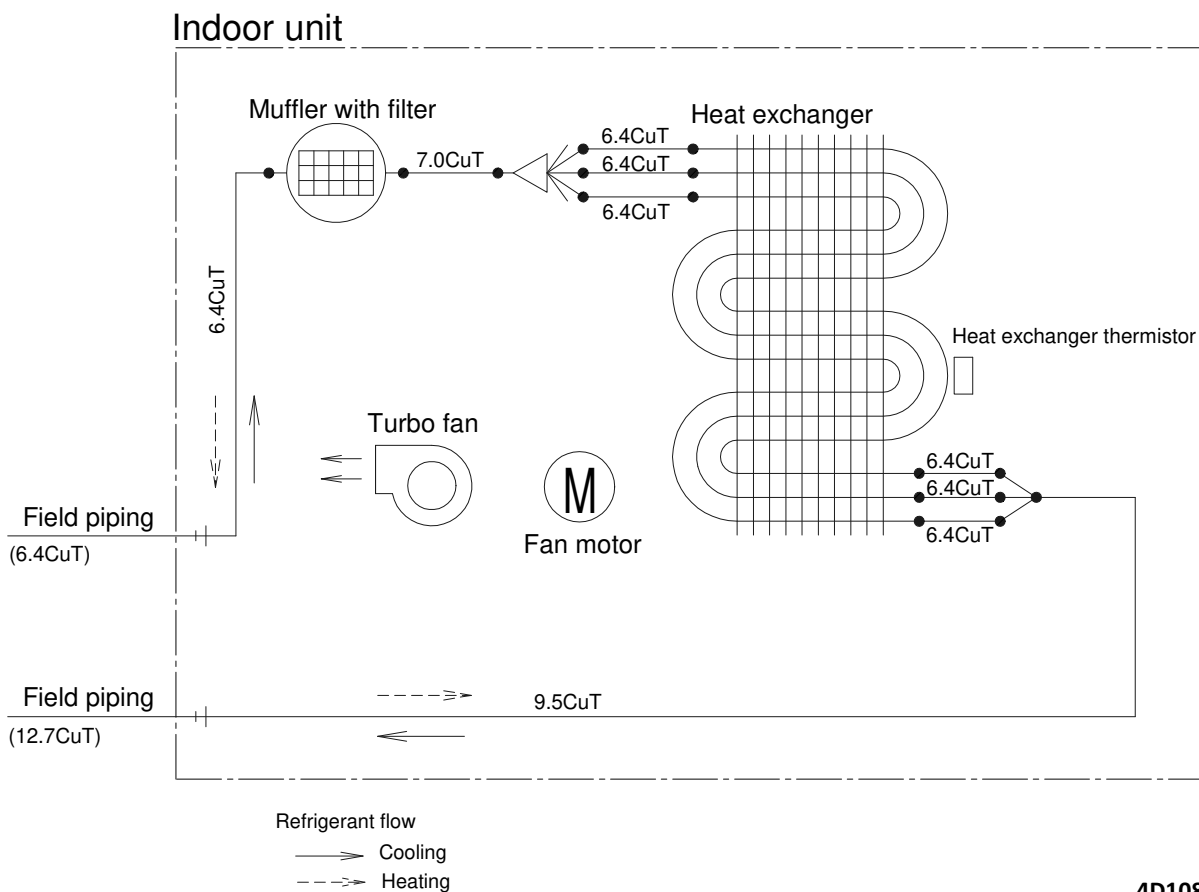
6

FVXM25-35F



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FVXM50F



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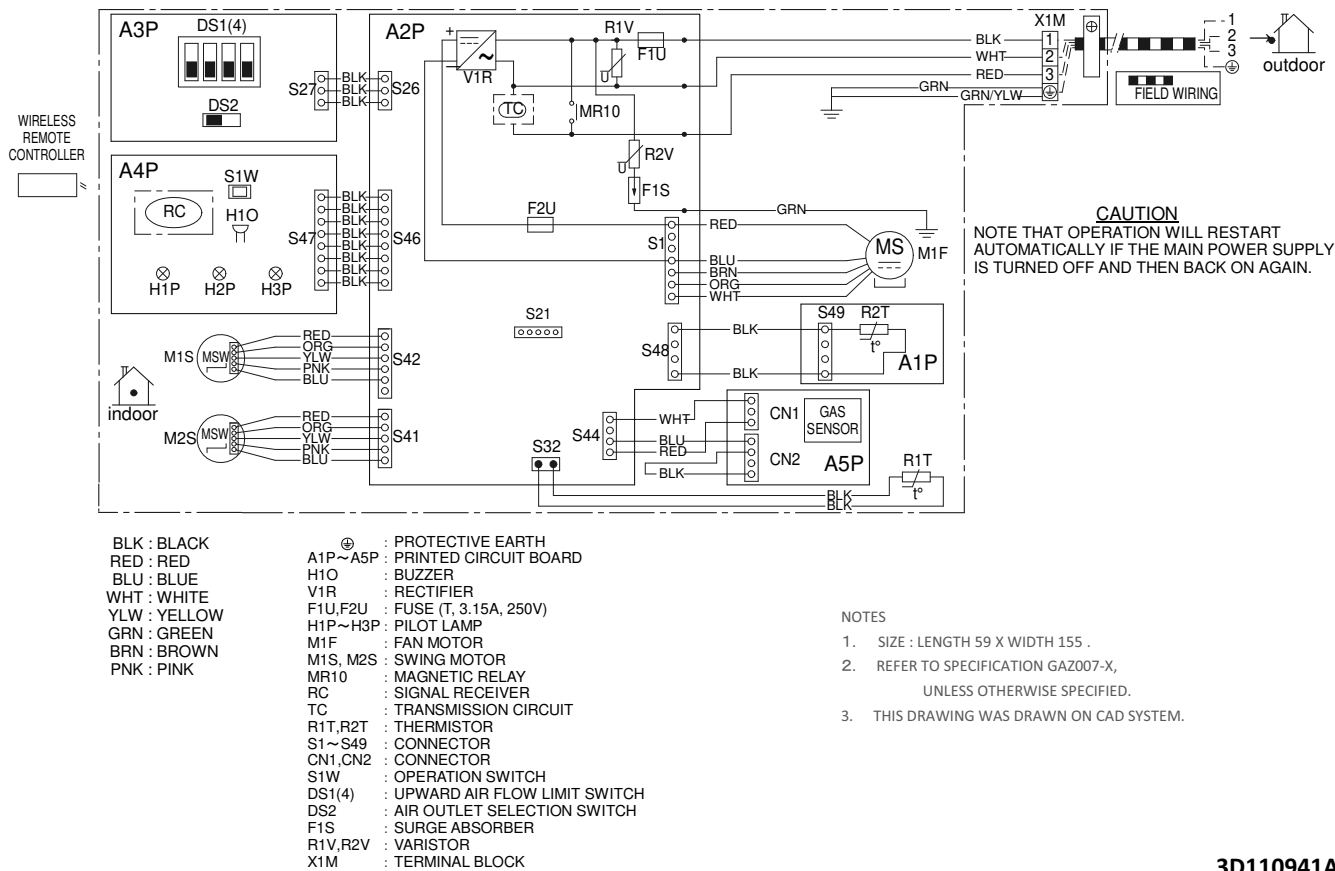
8

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FVXM-F

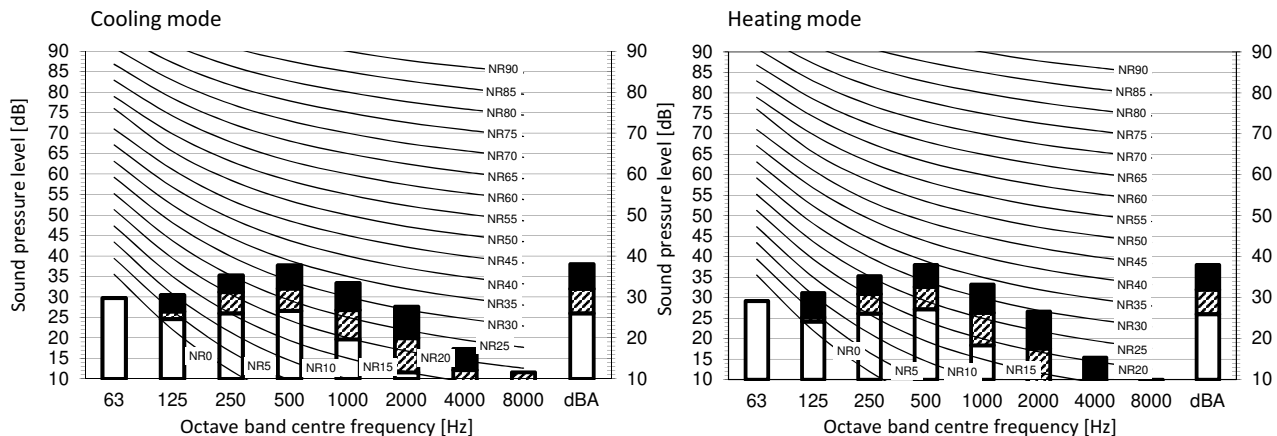
WIRING DIAGRAM



8 Sound data

8 - 1 Sound Pressure Spectrum

FVXM25F



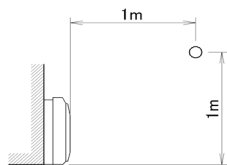
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



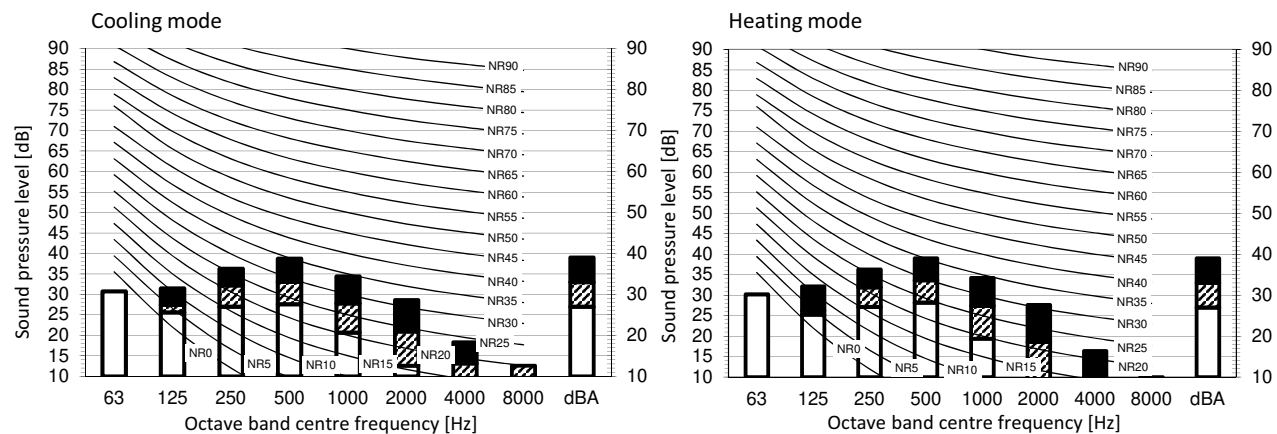
Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	38	32	26	dBA	38	32	26

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

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FVXM35F



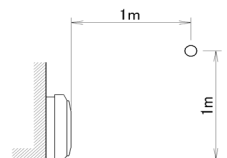
Legend

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	27	dBA	39	33	27

Notes

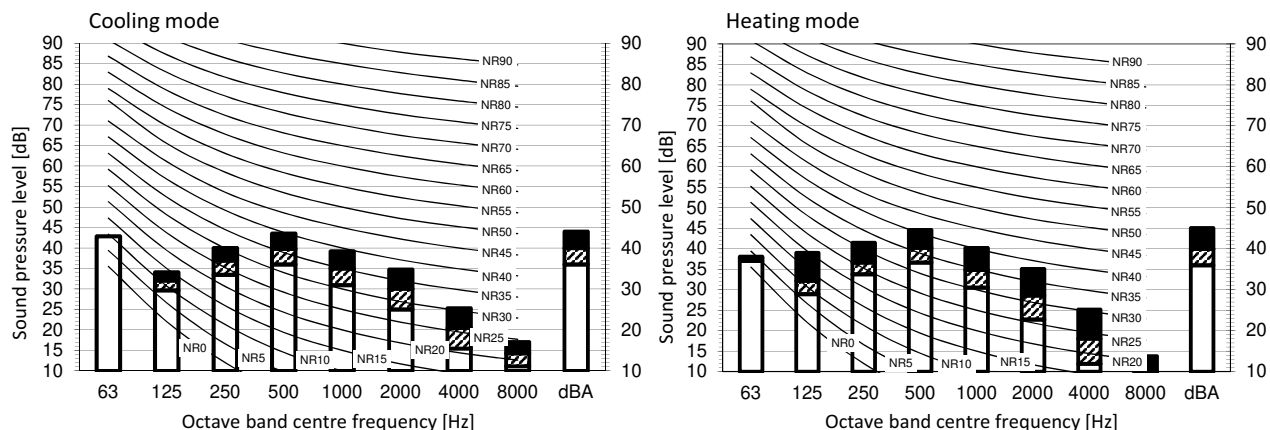
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

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8 Sound data

8 - 1 Sound Pressure Spectrum

FVXM50F



Legend

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

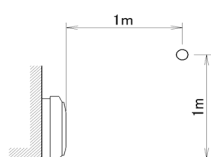
A Scale Fan speed

B High
C Medium
D Low

Cooling		Total dB	
A	B	C	D
dBA	44	40	36

Heating		Total dB	
A	B	C	D
dBA	45	40	36

Location of microphone



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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