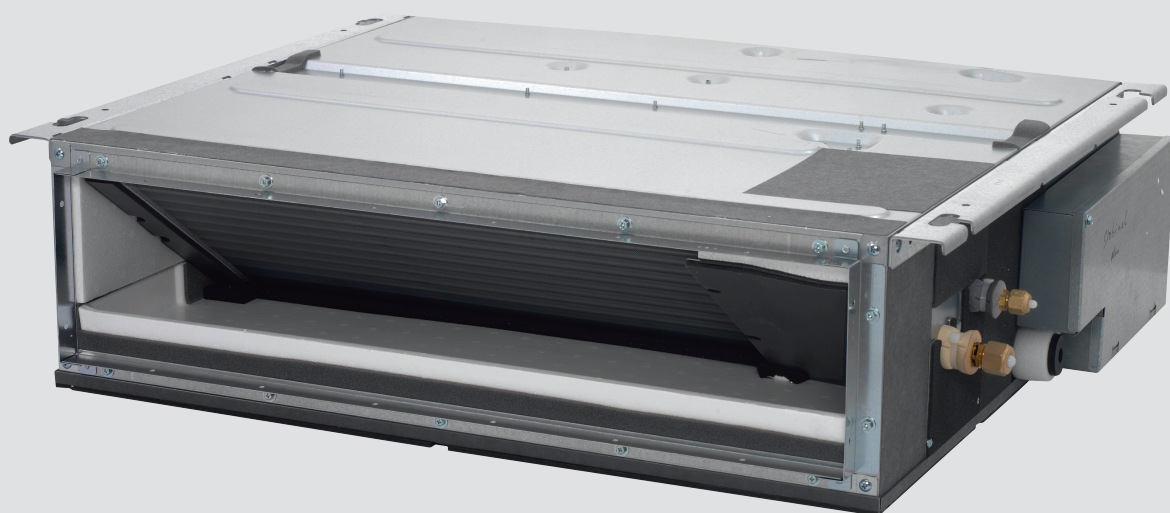


Air Conditioning
Technical Data

FDXM-F9



- > FDXM25F3V1B9
- > FDXM35F3V1B9
- > FDXM50F3V1B9
- > FDXM60F3V1B9

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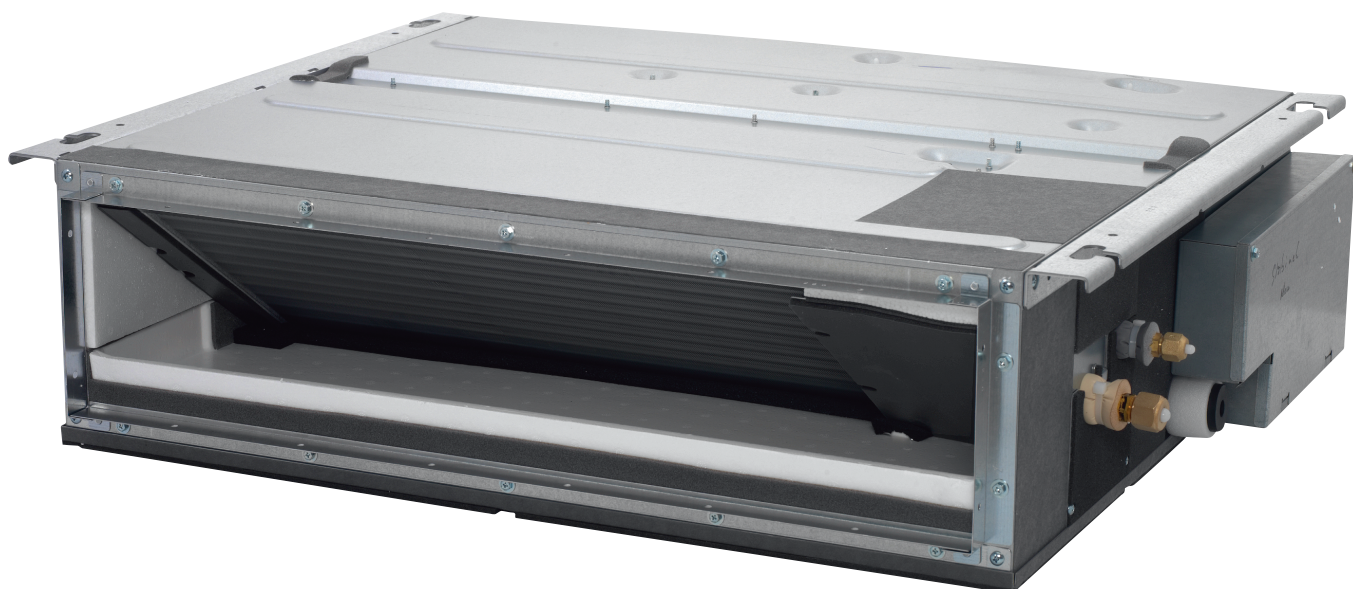
FDXM-F9

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1 Features

Compact concealed ceiling unit, with a height of only 200mm

- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Unified indoor unit range for R-32 and R-410A
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- 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
- Low energy consumption thanks to DC fan motor



Auto-cleaning filter



Multi zoning



Fan only



Fan speed steps



Dry programme



Air filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Online controller via app



Auto-restart



Self diagnosis



Multi model application

2 Specifications

2-1 Technical Specifications					FDXM25F9		FDXM35F9		FDXM50F9		FDXM60F9		
Power input	Cooling		Nom.		kW		0.036				0.060		
	Heating		Nom.		kW		0.036				0.060		
Dimensions	Unit		Height/Width/Depth		mm		200/750/620				200/1,150/620		
	Packed unit		Height/Width/Depth		mm		266/922/768				266/1,322/768		
Weight	Unit				kg		21				28		
	Packed unit				kg		24				31		
Heat exchanger	Length				mm		500				900		
	Rows		Quantity			3				2			
	Fin pitch				mm		1.50						
	Stages		Quantity			12							
	Passes		Quantity			2.0			5.0				
	Tube type				ø7 Hi-XD								
	Fin		Type			Multi slit fin							
Air filter	Type				Removable / washable								
Fan	Type				Sirocco fan								
	Air flow rate	Cooling	High	m³/min	8.7				15.8		16.0		
				cfm	307				558		565		
			Medium	m³/min	8.0 (1)				14.6 (1)		14.8 (1)		
				cfm	282				516		523		
		Low	m³/min	7.3				13.3		13.5			
			cfm	258				467		477			
			Heating	High	m³/min	8.7				15.8		16.0	
					cfm	307				558		565	
	Medium	m³/min		8.0 (1)				14.6 (1)		14.8 (1)			
		cfm		282				516		523			
	Low	m³/min	7.3				13.3		13.5				
		cfm	258				467		477				
	External static pressure		Nom.		Pa		30			40			
	Fan motor	Model				KFD-280-44-8A				KFD-280-65-8A			
		Speed		Steps			3						
Cooling				High/Medium/Low	rpm	1,270/1,180/1,090				1,270/1,150/1,030		1,280/1,160/1,040	
						1,270/1,180/1,090				1,270/1,150/1,030		1,280/1,160/1,040	
Heating				High/Medium/Low	rpm	1,270/1,180/1,090				1,270/1,150/1,030		1,280/1,160/1,040	
Sound power level	Cooling				dBA		53.0			55.0		56.0	
Sound pressure level	Cooling		High/Medium/Low		dBA		35.0/33.0 (1)/27.0			38.0/35.0 (1)/30.0			
	Heating		High/Medium/Low		dBA		35.0/33.0/27.0			38.0/35.0/30.0			
Refrigerant	Type				R-32 / R-410A								
Piping connections	Liquid		OD			6,35							
	Gas		OD			9.50			12.70				
	Drain				VP20 (I.D. 20/O.D. 26)								
	Heat insulation				Both liquid and gas pipes								
Temperature control					Microcomputer control								

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Insulation for fitting; Quantity : 1;

Standard Accessories : Sealing pad; Quantity : 1;

Standard Accessories : Clamp metal; Quantity : 1;

Standard Accessories : Drain hose; Quantity : 1;

Standard Accessories : Washer for hanger bracket; Quantity : 8;

Standard Accessories : Sealing material; Quantity : 2;

Standard Accessories : Clamps; Quantity : 6;

2 Specifications

Standard Accessories : Washer fixing plate; Quantity : 4;

Standard Accessories : Screws for duct flanges; Quantity : 1;

Standard Accessories : Air filter; Quantity : 1;

2

2-2 Electrical Specifications			FDXM25F9	FDXM35F9	FDXM50F9	FDXM60F9
Power supply	Phase		1~			
	Frequency	Hz	50			
	Voltage	V	220-240			

Notes

(1) See separate drawing for electrical data

3 Safety device settings

3 - 1 Safety Device Settings

FDXM-F9

Safety devices		FDXM25-60F3V1B(9)
PCB fuse		250V, 3.15A
Fan motor overcurrent protection	Nominal	1.3A
Fan motor thermal protector	Maximum	125°C

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4 Options

4 - 1 Options

FDXM-F9

Option kit	Product name			
	FDXM25F3V1B	FDXM35F3V1B	FDXM50F3V1B	FDXM60F3V1B
Wired remote control	BRC1D52/BRC1D61 BRC1E53A7 ⁽¹⁾⁽⁴⁾ /BRC1E53B7 ⁽²⁾⁽⁴⁾ /BRC1E53C7 ⁽³⁾⁽⁴⁾			
Simplified remote control	BRC2E52C7 ⁽⁵⁾			
Stylish remote control				
Remote control for hotel use	BRC3E52C7 ⁽⁵⁾			
Wireless remote control	BRC4C65			
Central remote control	DCS302CA51/DCS302CA61 ⁽⁸⁾			
Unified ON/OFF controller	DCS301BA51/DCS301BA61 ⁽⁸⁾			
Schedule timer	DST301BA51/DST301BA61 ⁽⁸⁾			
Residential central remote control	DCS303A51 ⁽⁸⁾			
Adaptor for wiring	KRP1B56 ⁽⁶⁾			
Wiring adaptor for electrical appendices 1	KRP2A53 ⁽⁶⁾			
Wiring adaptor for electrical appendices 2	KRP4A54 ⁽⁶⁾			
Remote sensor	KRCS01-4B			
Installation box for adaptor PCB	KRP1BA101			
Electrical box with earth terminal (2 blocks)	KJB212AA			
Electrical box with earth terminal (3 blocks)	KJB311AA			
Noise filter (for electromagnetic interface only)	KEK26-1A			
Insulation kit for high humidity	KDT25N32/KDT25N50/KDT25N63			
Digital input adaptor	BRP7A54 ⁽⁶⁾⁽⁷⁾			
Auto cleaning filter - Small	BAE20A62	BAE20A62	-	-
Auto cleaning filter - Large	-	-	BAE20A102	BAE20A102

(1) Included languages are: English, German, French, Italian, Spanish, Portuguese, and Dutch.

(2) Included languages are: English, Czech, Croatian, Hungarian, Slovenian, Romanian, and Bulgarian.

(3) Included languages are: English, Russian, Greek, Turkish, Polish, Albanian, and Slovak.

(4) Includes duty rotation functionality

(5) Included languages are:

Language pack 1: English, German, French, Dutch, Spanish, Italian, and Portuguese.

With PC cable EKPCAB3 in combination with the Updater PC software, you can additionally change the language to:

Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian, and Slovenian.

Language pack 3: English, Greek, Polish, Russian, Serbian, Slovak, and Turkish.

(6) Requires installation box 6.

(7) Only possible in combination with simplified remote control BRC2/3E52C7.

(8) For Daikin Middle East only.

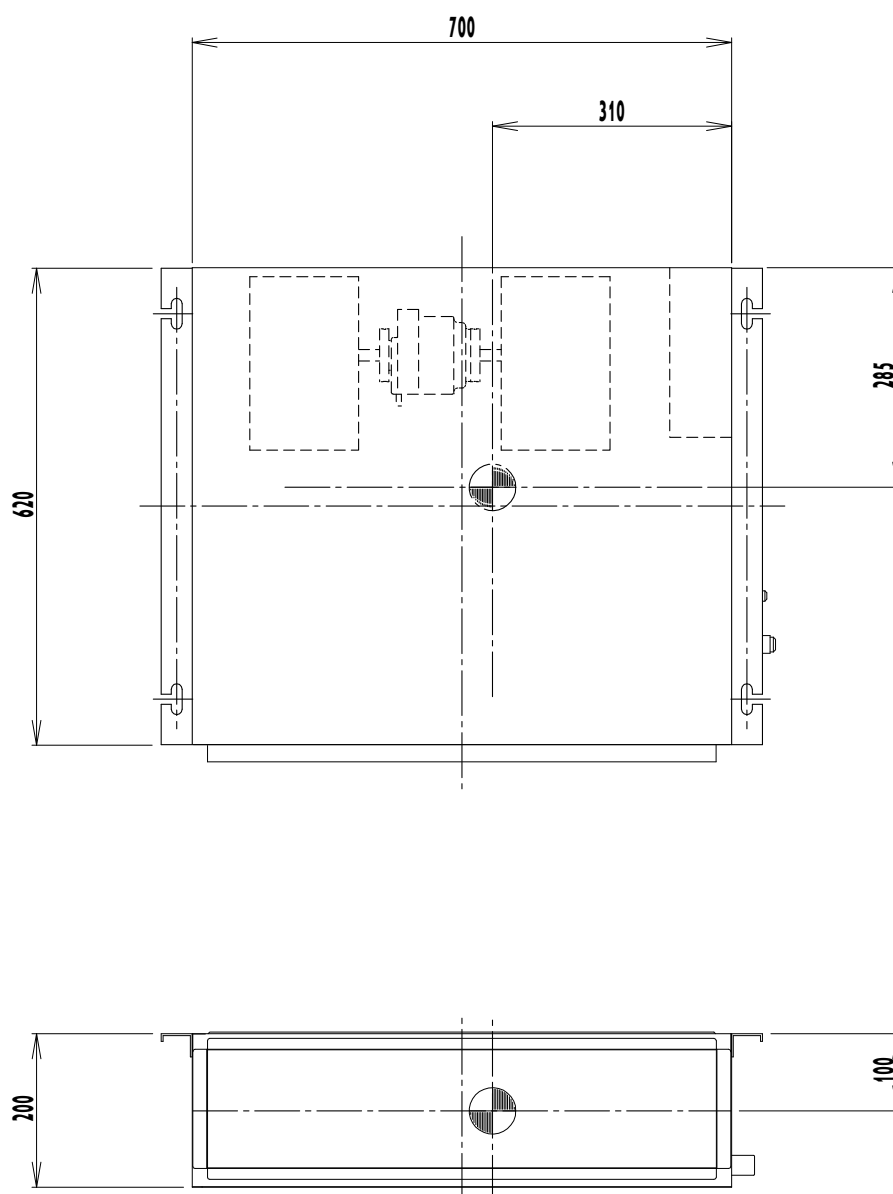
(9) For residential use only. Cannot be used with other centralised control equipment.

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6 Centre of gravity

6 - 1 Centre of Gravity

FDXM25-35F9

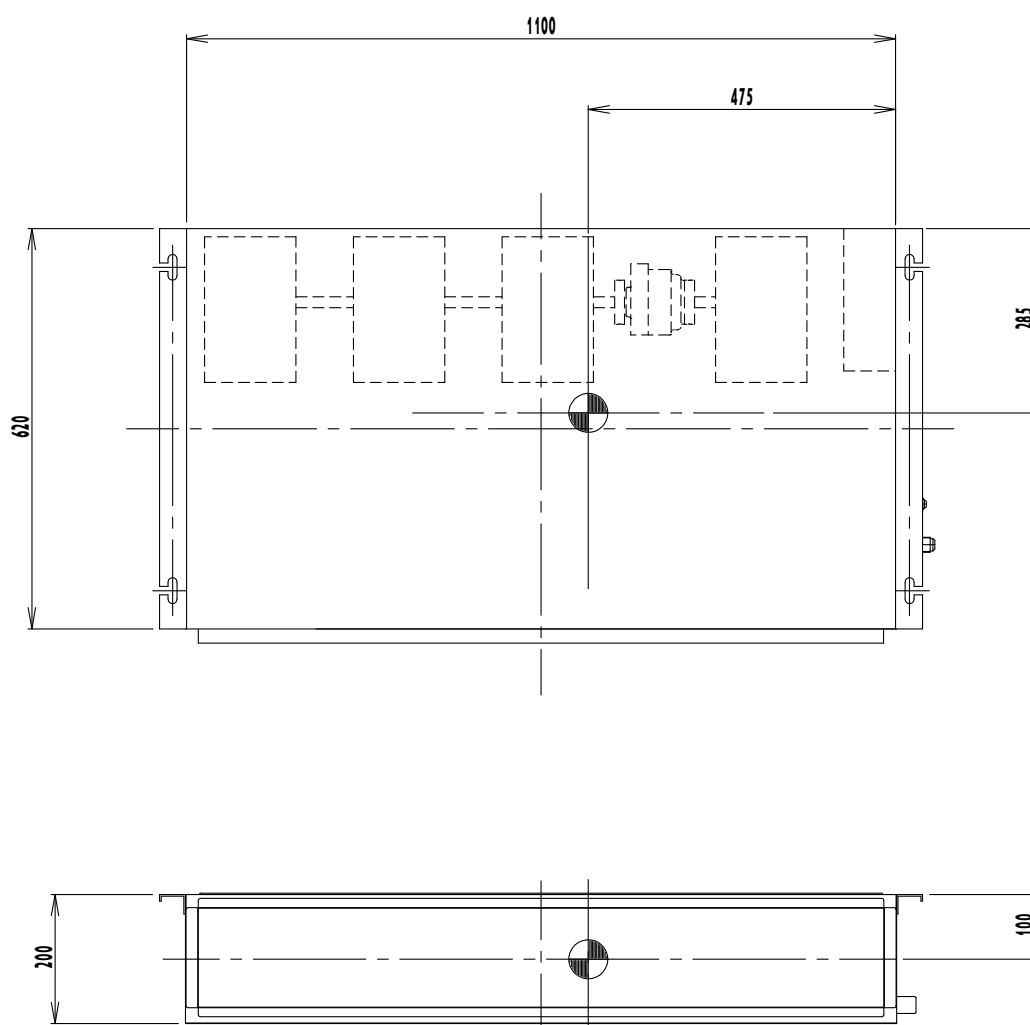


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6 Centre of gravity

6 - 1 Centre of Gravity

FDXM50-60F9



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7 Piping diagrams

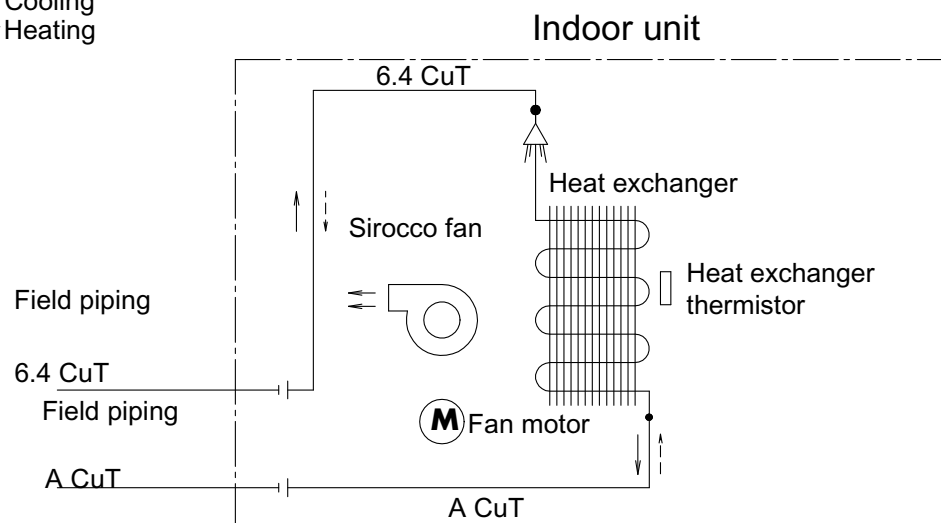
7 - 1 Piping Diagrams

FDXM-F9

Refrigerant flow

—> Cooling

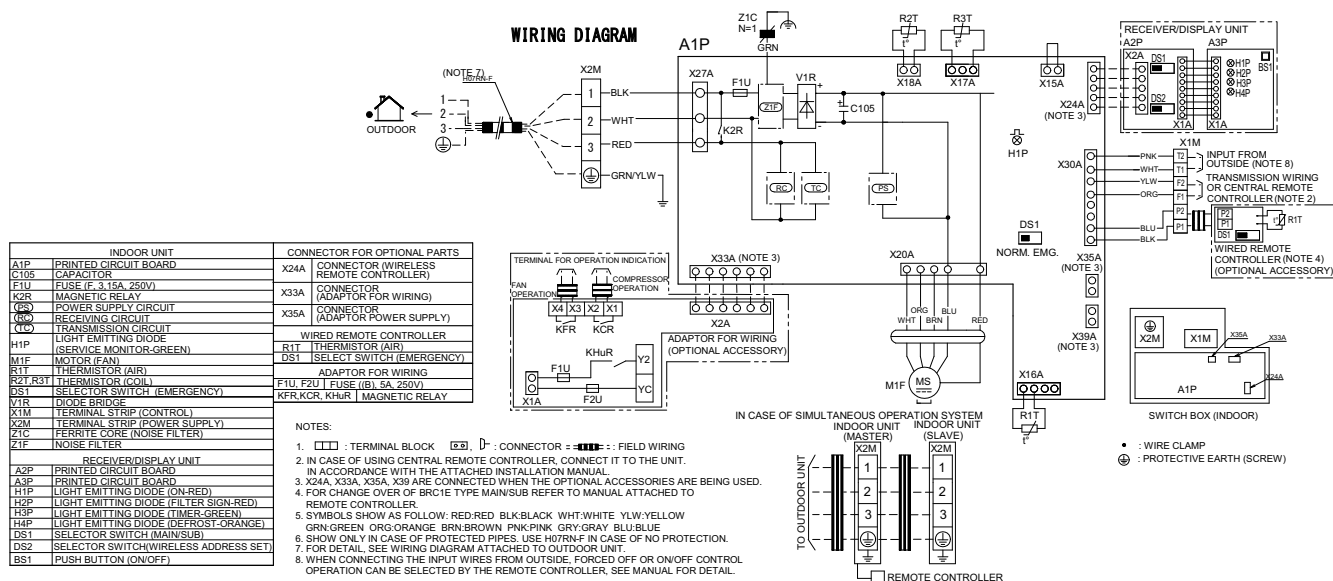
- - -> Heating



	A
FDXS ₂₅ F ₂ VEB	9.5
FDXS ₃₅ F ₂ VEB	
FNQ ₂₅ A ₂ VEB	
FNQ ₃₅ A ₂ VEB	
FDXM ₂₅ F ₂ V ₁ B	
FDXM ₂₅ F ₃ V ₁ B ₉	
FDXM ₃₅ F ₂ V ₁ B	
FDXM ₂₅ F ₃ V ₁ B	
FDXM ₃₅ F ₃ V ₁ B	
FDXM ₃₅ F ₃ V ₁ B ₉	
FDXS ₅₀ F ₂ VEB	12.7
FDXS ₆₀ F ₂ VEB	
FDXS ₅₀ F ₂ VEB ₉	
FNQ ₅₀ A ₂ VEB	
FNQ ₆₀ A ₂ VEB	
FDXM ₅₀ F ₂ V ₁ B	
FDXM ₅₀ F ₃ V ₁ B ₉	
FDXM ₆₀ F ₂ VEB	
FDXM ₅₀ F ₃ V ₁ B	
FDXM ₆₀ F ₃ V ₁ B ₉	

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WIRING DIAGRAM

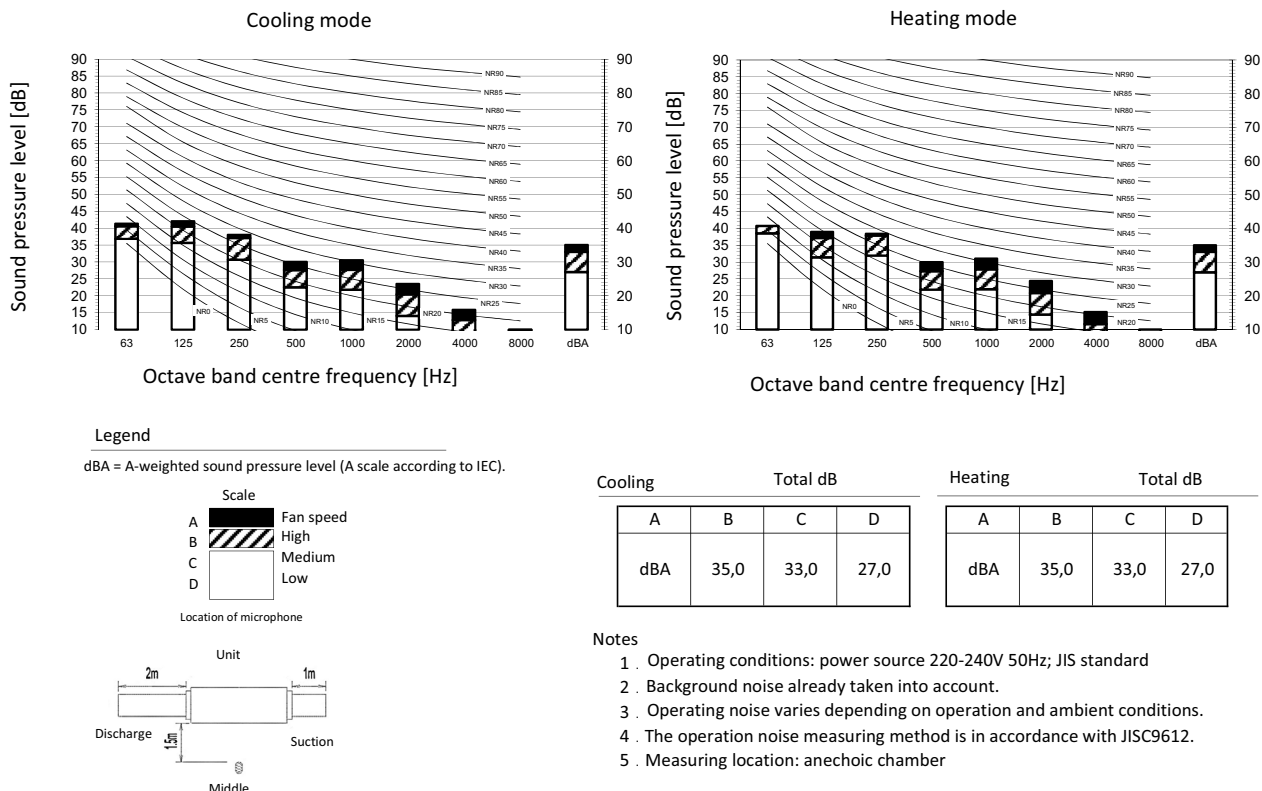


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9 Sound data

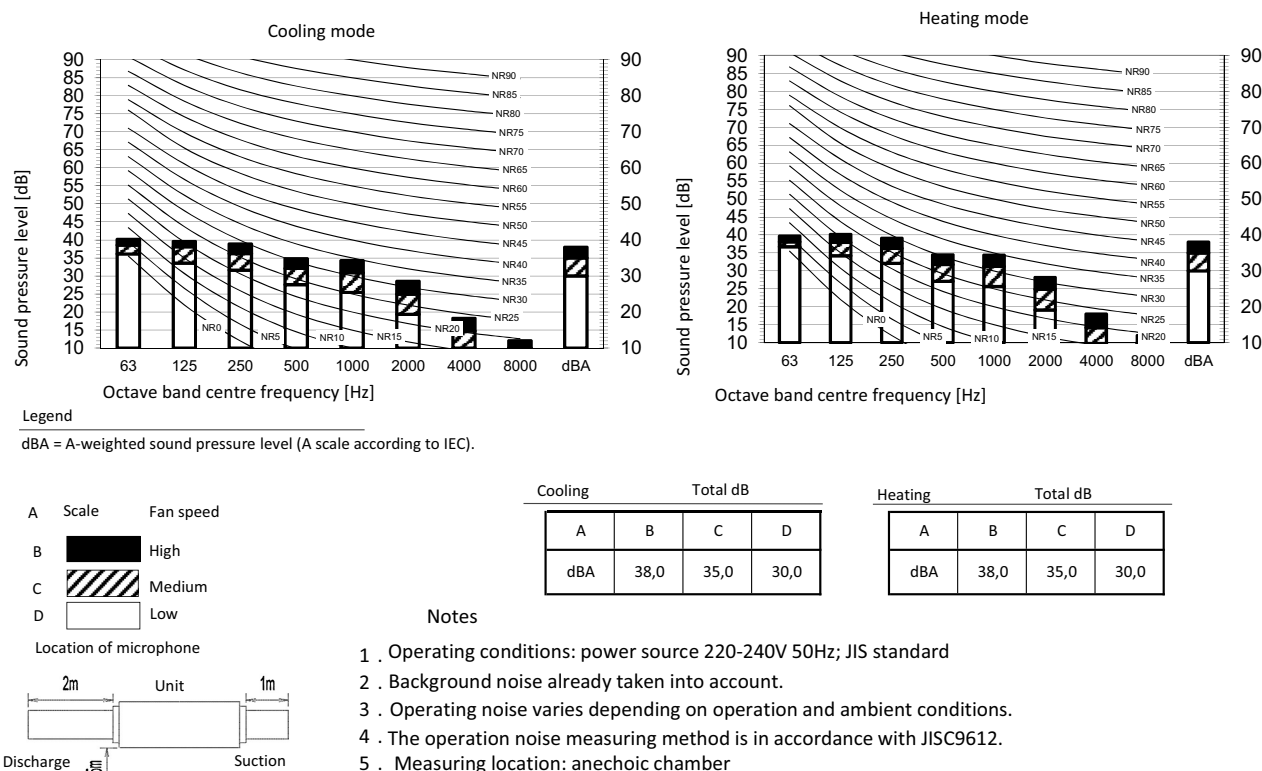
9 - 1 Sound Pressure Spectrum

FDXM25-35F9



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FTXM50F9

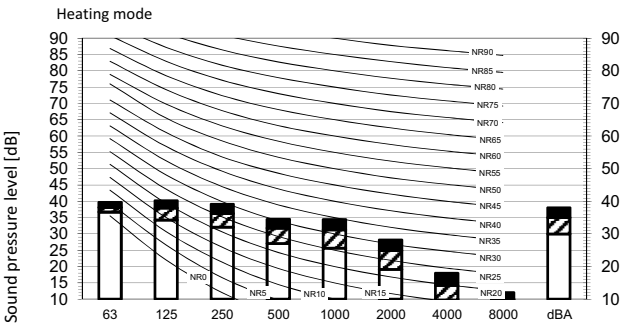
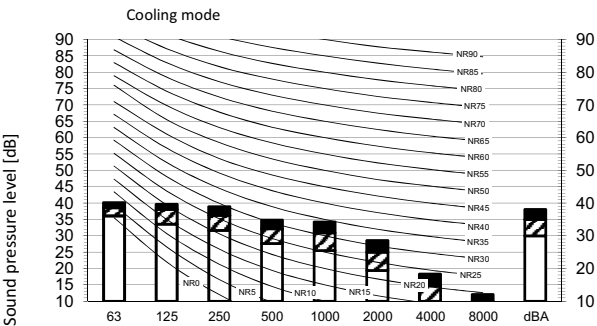


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9 Sound data

9 - 1 Sound Pressure Spectrum

FDXM60F9



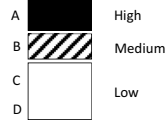
Octave band centre frequency [Hz]

Octave band centre frequency [Hz]

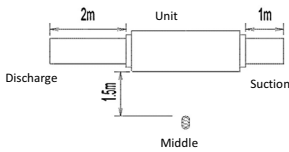
Legend

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

Scale Fan speed



Location of microphone



Cooling

Total dB

A	B	C	D
dBA	38,0	35,0	30,0

Heating

Total dB

A	B	C	D
dBA	38,0	35,0	30,0

Notes

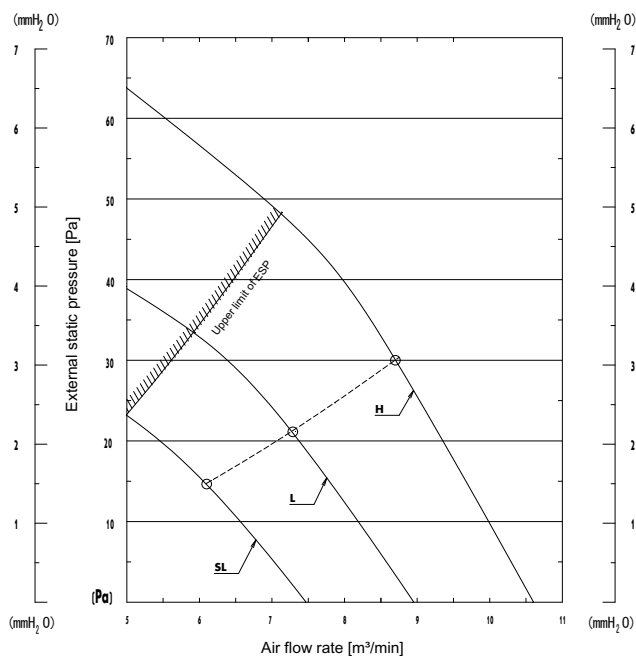
- 1 . Operating conditions: power source 220-240V 50Hz; JIS standard
- 2 . Background noise already taken into account.
- 3 . Operating noise varies depending on operation and ambient conditions.
- 4 . The operation noise measuring method is in accordance with JISC9612.
- 5 . Measuring location: anechoic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

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10 Fan characteristics

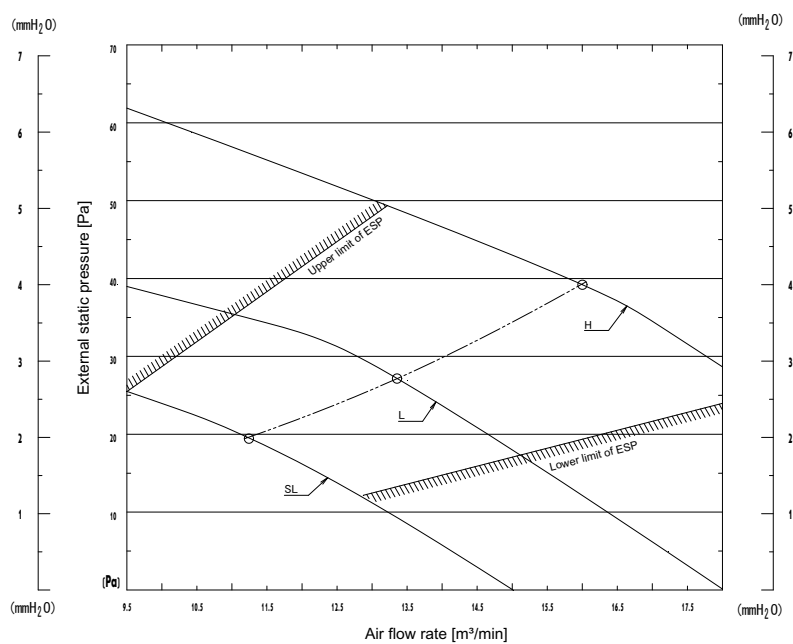
10 - 1 Fan Characteristics

FDXM25-35F9



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FDXM50F9

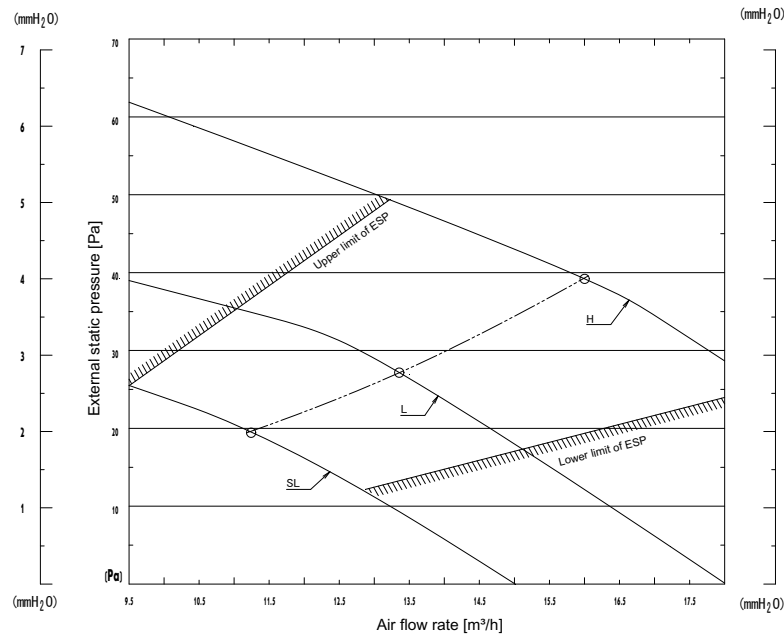


3D085960C

10 Fan characteristics

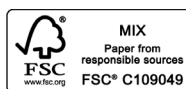
10 - 1 Fan Characteristics

FDXM60F9



3D081329C

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10/18



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