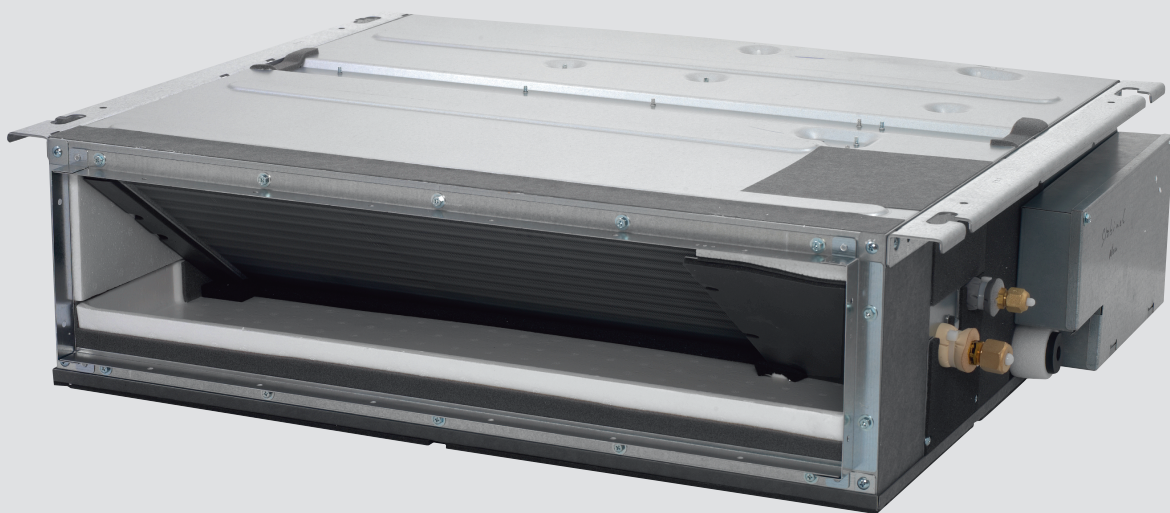


Air Conditioning
Technical Data

FDXM-F3



- > FDXM25F3V1B
- > FDXM35F3V1B
- > FDXM50F3V1B
- > FDXM60F3V1B

TABLE OF CONTENTS

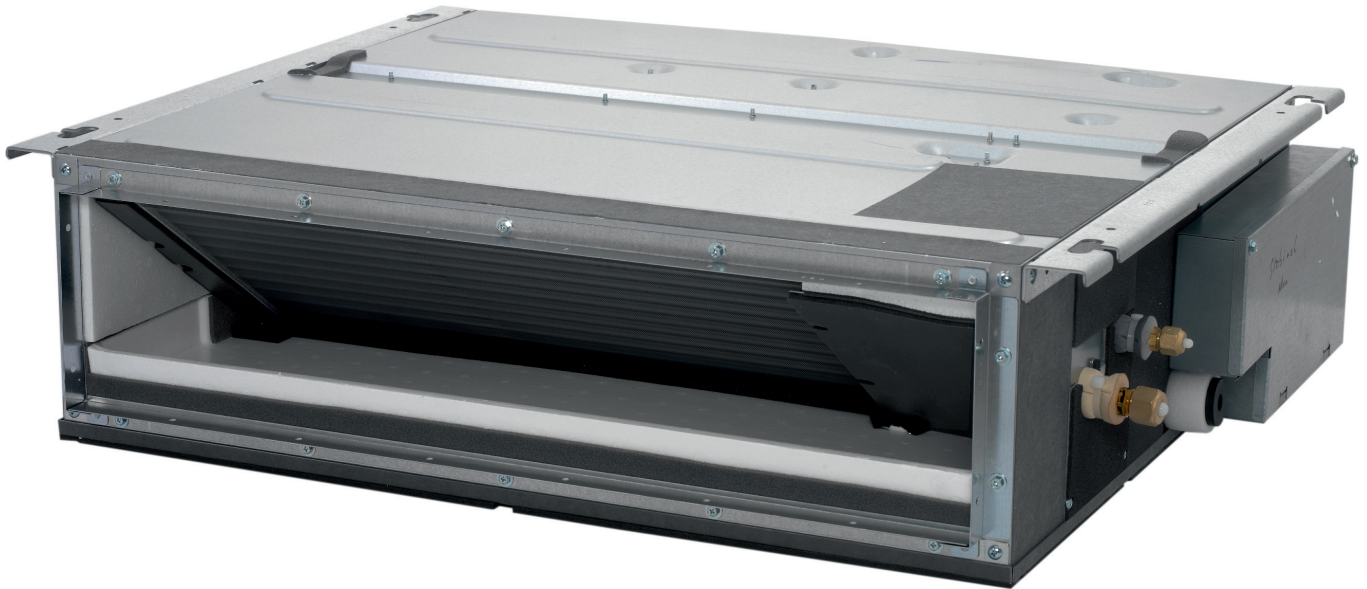
FDXM-F3

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Options	5
4	Dimensional drawings	6
5	Centre of gravity	7
6	Piping diagrams	9
7	Wiring diagrams	10
	Wiring Diagrams - Single Phase	10
8	Sound data	11
	Sound Pressure Spectrum	11
9	Fan characteristics	13

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
- Improved in-room air quality, higher efficiency and lower maintenance costs as dust can easily be removed with a vacuum cleaner (self cleaning kit option)
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- 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



Fan only



Fan speed steps



Dry programme



Air filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart



Self diagnosis



Multi model application

2 Specifications

2-1 Technical Specifications				FDXM25F3	FDXM35F3	FDXM50F3	FDXM60F3	
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	m ³ /min	8.7		15.8	16.0
				cfm	307		558	565
			Medium	m ³ /min	8.0		14.6	14.8
				cfm	282		516	523
			Low	m ³ /min	7.3		13.3	13.5
				cfm	258		467	477
		Heating	High	m ³ /min	8.7		15.8	16.0
				cfm	307		558	565
			Medium	m ³ /min	8.0		14.6	14.8
				cfm	282		516	523
			Low	m ³ /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
			Heating	High/Medium/Low	rpm	1,270/1,180/1,090		1,270/1,150/1,030
Sound power level	Cooling		dBA	53		55	56	
	Heating		dBA	53		55	56	
Sound pressure level	Cooling	High/Medium/Low	dBA	35/33/27		38/35/30		
	Heating	High/Medium/Low	dBA	35/33/27		38/35/30		
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				FDXM25F3	FDXM35F3	FDXM50F3	FDXM60F3
Power supply	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	220-240			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.3		0.5	
		Heating	A	0.3		0.5	
Wiring connections - 50Hz	For power supply	Remark	4 for interunit wiring				

3 Options

3 - 1 Options

FDXM-F3

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.

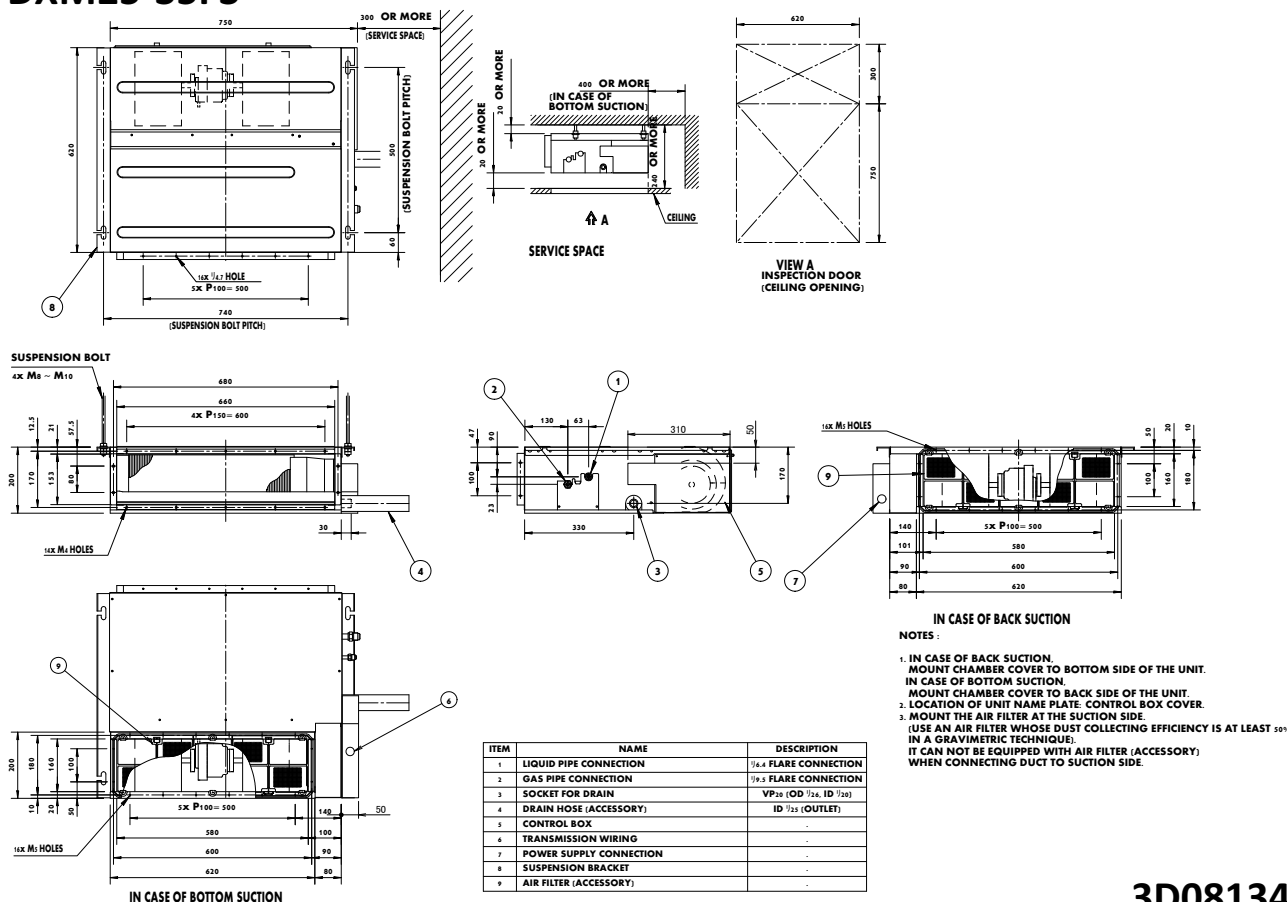
3D110004

4 Dimensional drawings

4 - 1 Dimensional Drawings

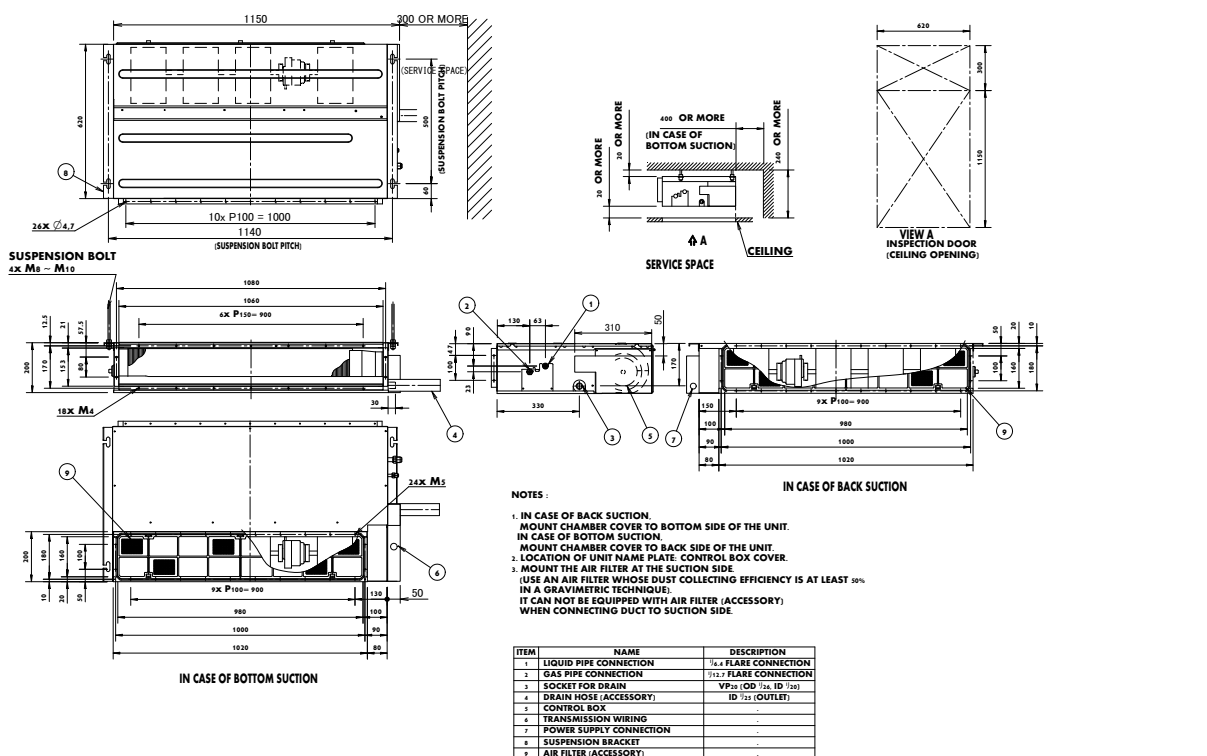
4

FDXM25-35F3



3D081343

FDXM50-60F3



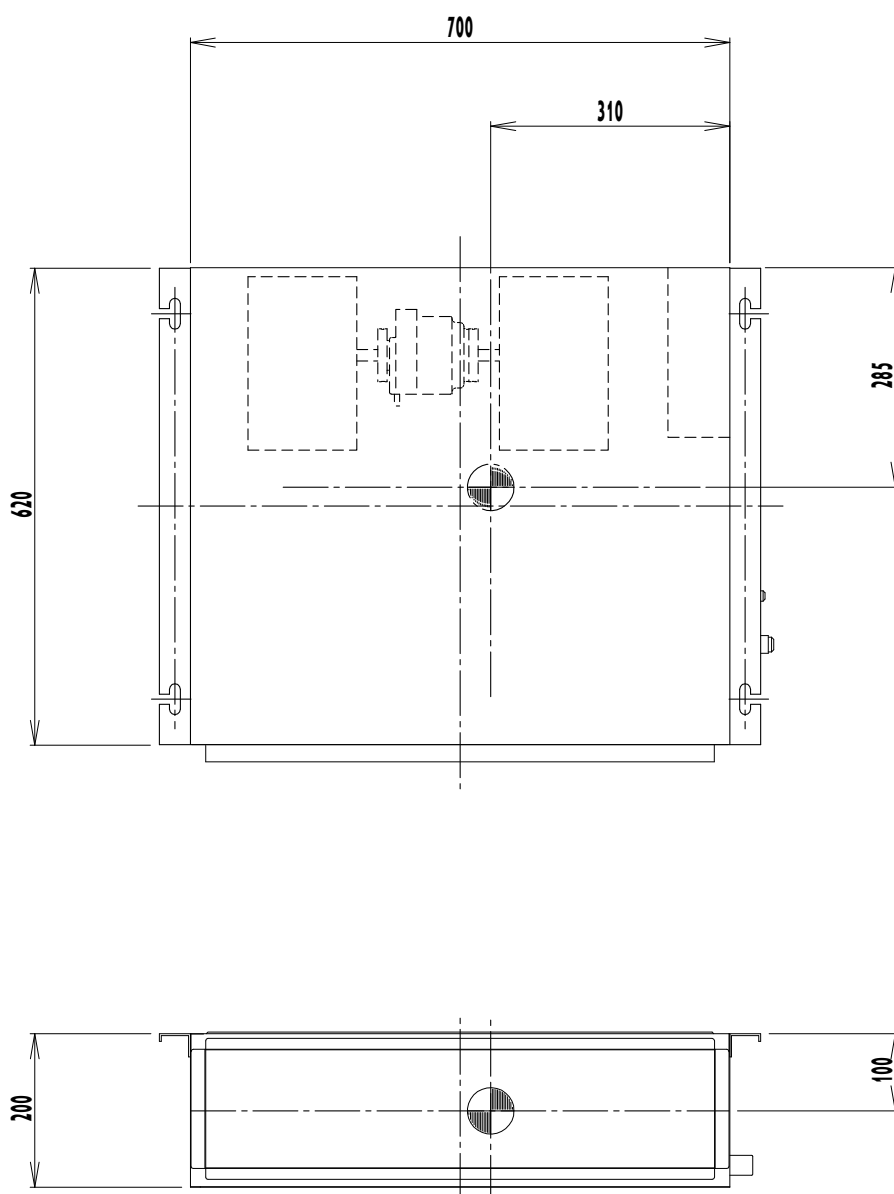
3D081360

6

5 Centre of gravity

5 - 1 Centre of Gravity

FDXM25-35F3

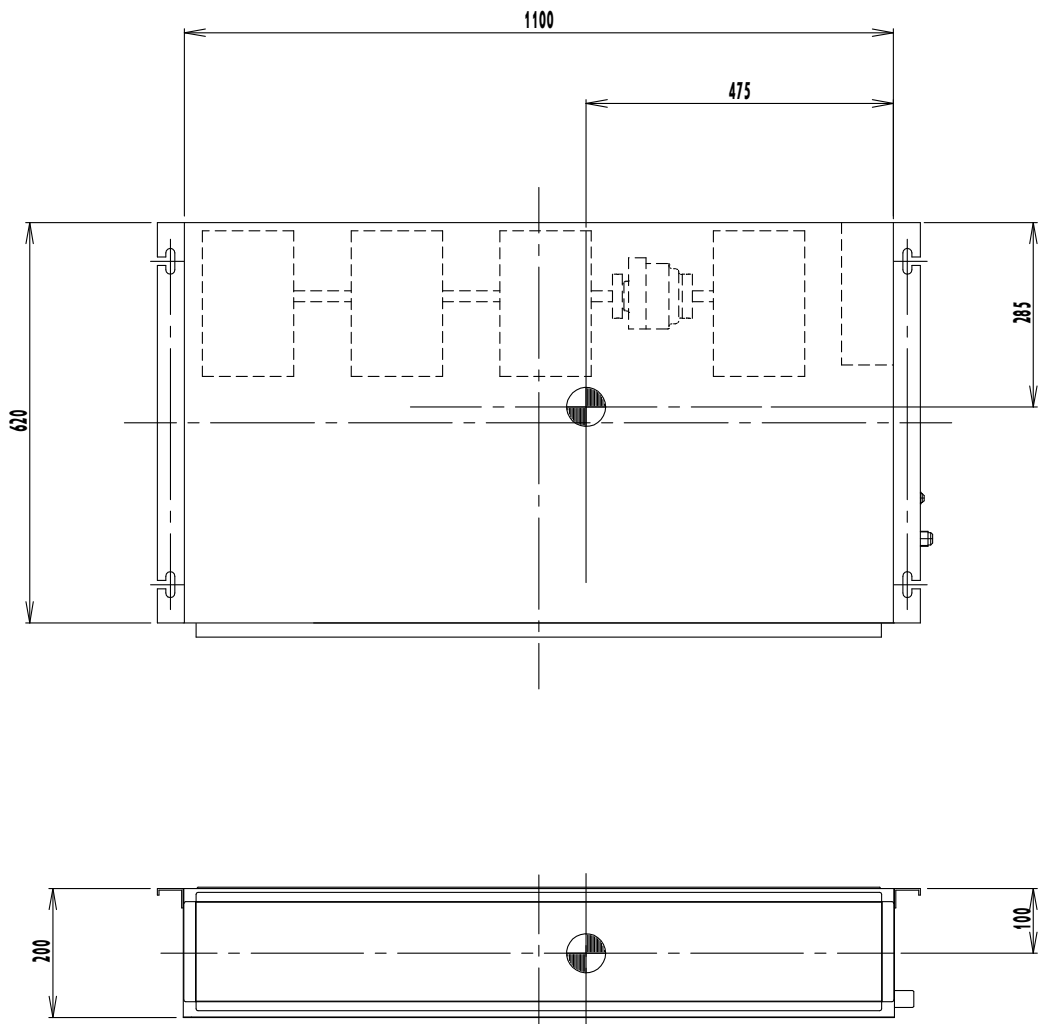


4D081337A

5 Centre of gravity

5 - 1 Centre of Gravity

FDXM50-60F3

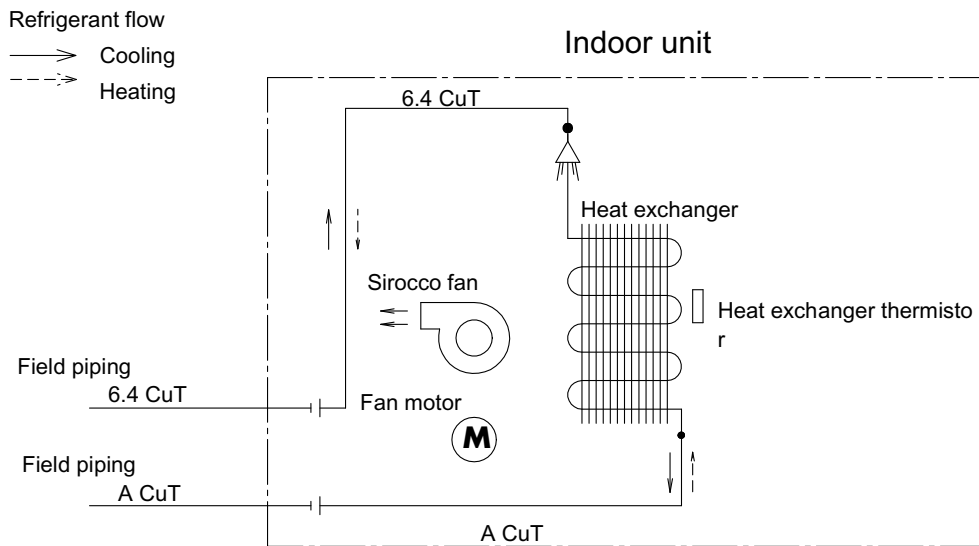


4D081339A

6 Piping diagrams

6 - 1 Piping Diagrams

FDXM-F3



	A
FDXS₂₅F₂VEB	9.5
FDXS₃₅F₂VEB	
FNQ₂₅A₂VEB	
FNQ₃₅A₂VEB	
FDXM₂₅F₂V₁B	
FDXM₃₅F₂V₁B	
FDXM₂₅F₃V₁B	
FDXM₃₅F₃V₁B	
FDXS₅₀F₂VEB	12.7
FDXS₆₀F₂VEB	
FDXS₅₀F₂VEB₉	
FNQ₅₀A₂VEB	
FNQ₆₀A₂VEB	
FDXM₅₀F₂V₁B	
FDXM₆₀F₂VEB	
FDXM₅₀F₃V₁B	
FDXM₆₀F₃V₁B	

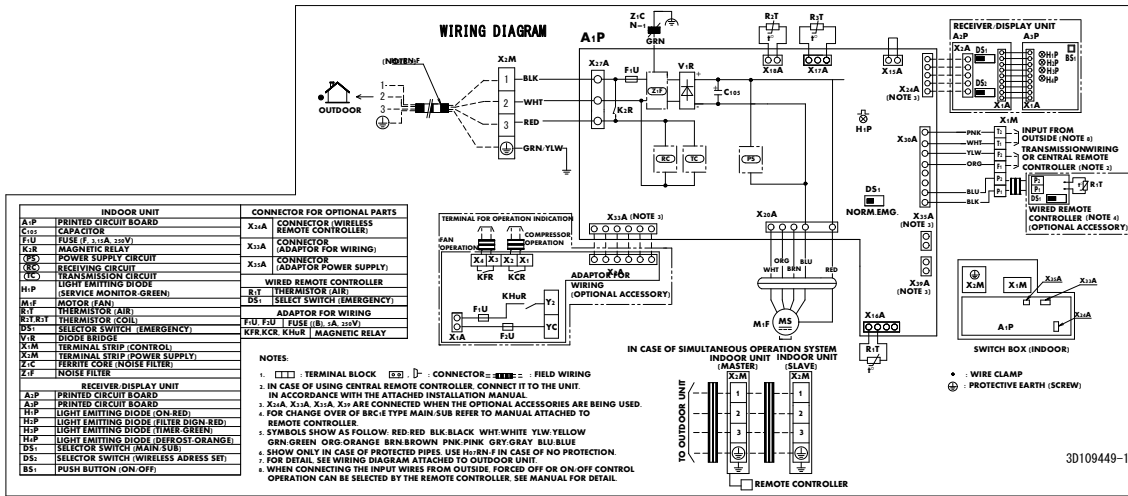
4D081335E

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

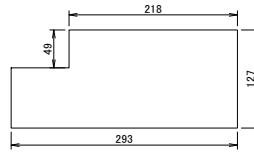
FDXM-F3

7



NOTES:

1. DIMENSIONS FOR PRINTING ARE:

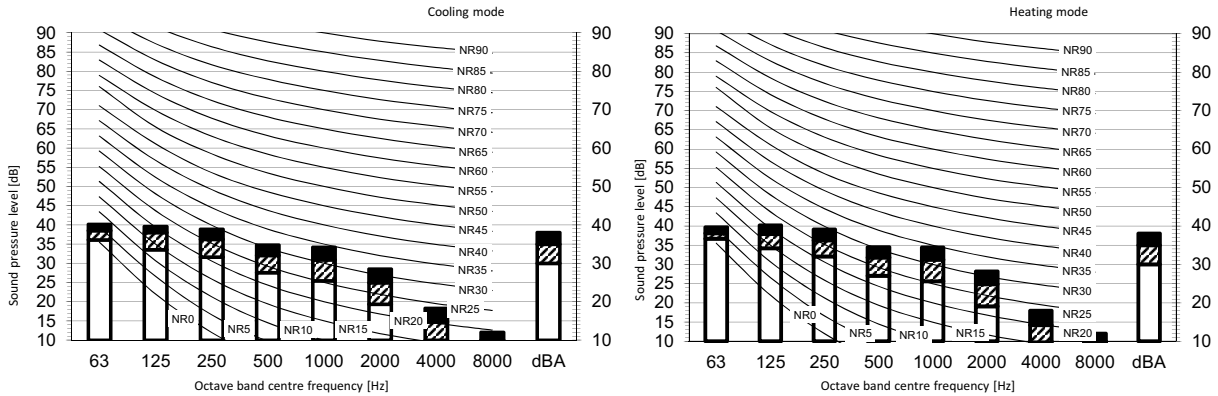


3D109449A

8 Sound data

8 - 1 Sound Pressure Spectrum

FDXM25-35F3



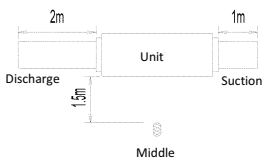
Legend

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	35	33	27

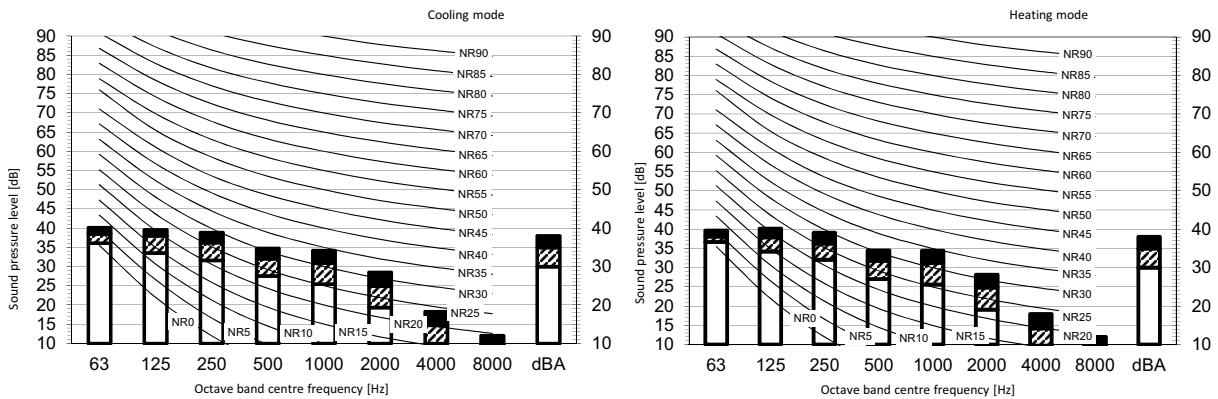
Heating		Total dB	
A	B	C	D
dBA	35	33	27

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.

3D110007

FDXM50F3



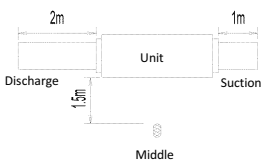
Legend

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	38	35	30

Heating		Total dB	
A	B	C	D
dBA	38	35	30

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.

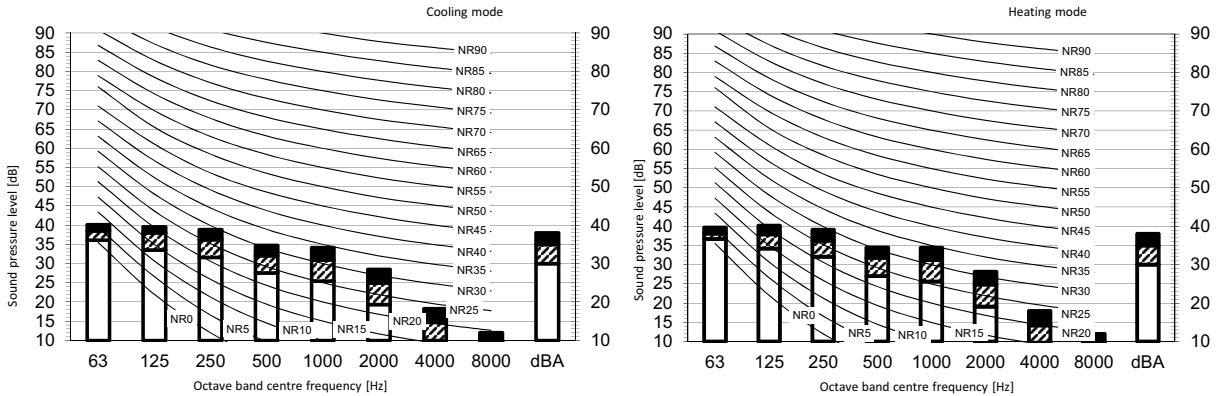
3D110009

8 Sound data

8 - 1 Sound Pressure Spectrum

8

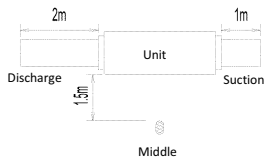
FDXM60F3



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	38	35	30

Heating Total dB			
A	B	C	D
dBA	38	35	30

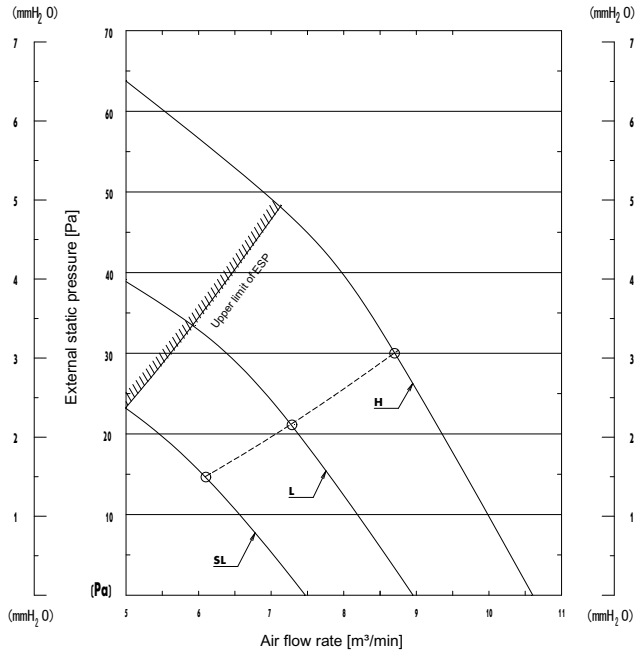
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D110010

9 Fan characteristics

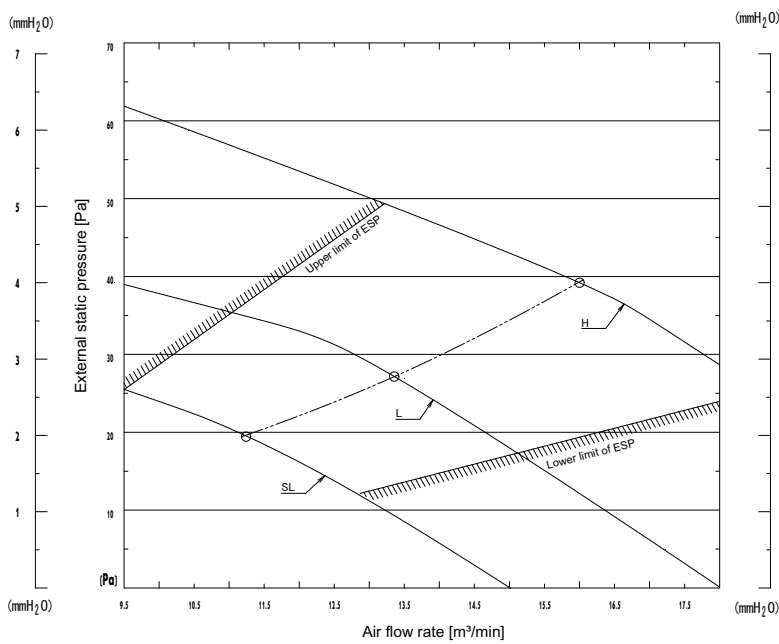
9 - 1 Fan Characteristics

FDXM25-35F3



3D081327C

FDXM50F3



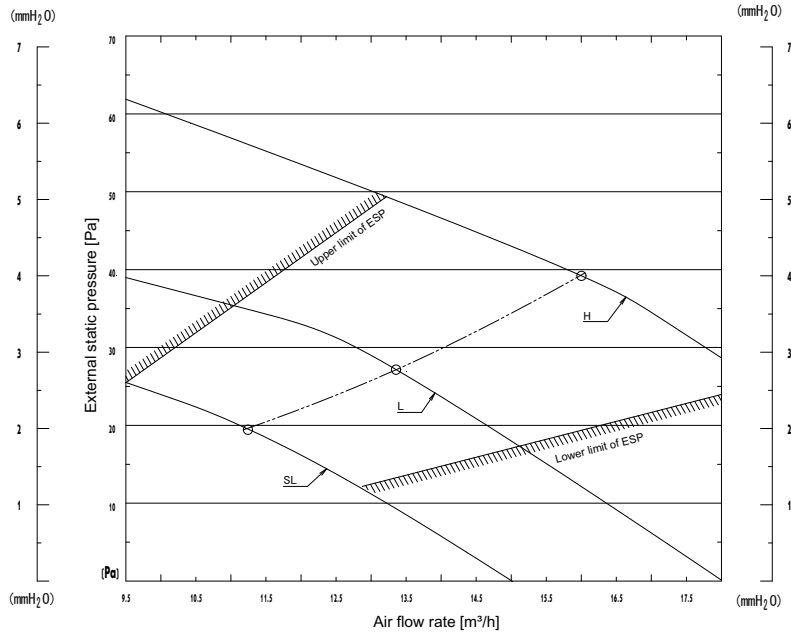
3D085960C

9 Fan characteristics

9 - 1 Fan Characteristics

9

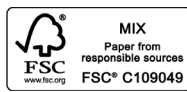
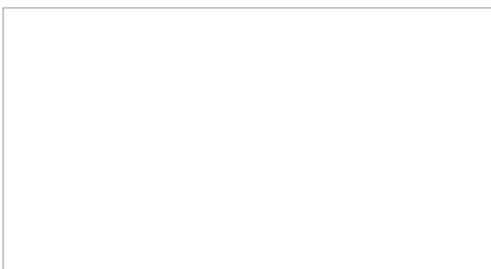
FDXM60F3



3D081329C



Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



EEDEN17 05/17



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.