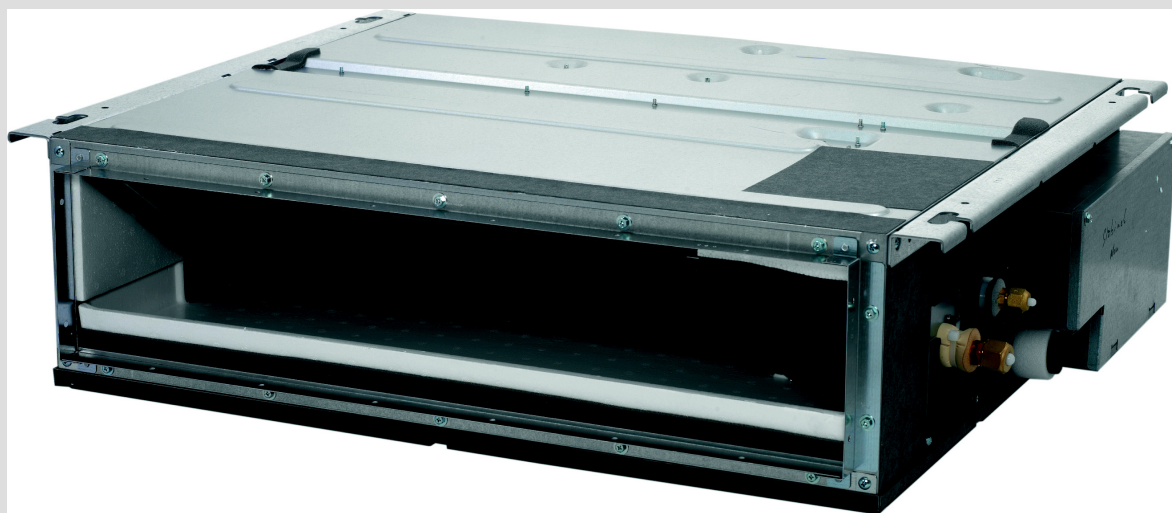


Air Conditioning
Technical Data
FDXS-F9, FDXS-F



- > FDXS25F2VEB
- > FDXS35F2VEB
- > FDXS50F2VEB9
- > FDXS60F2VEB

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FDXS-F9, FDXS-F

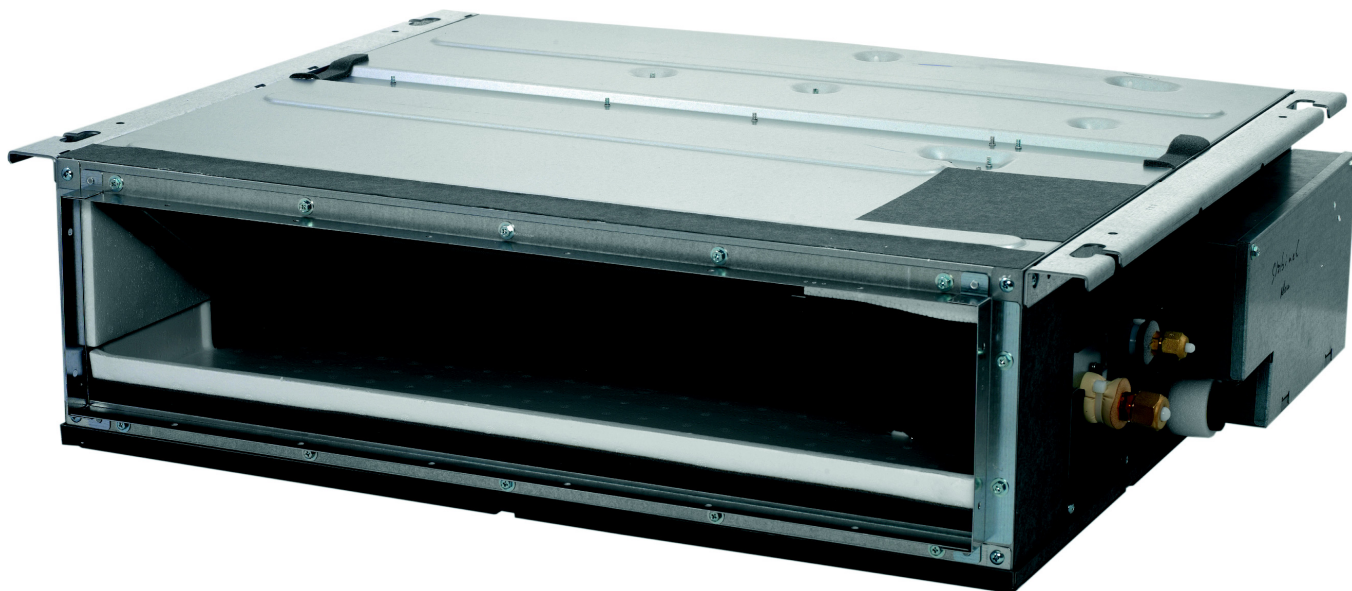
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1 Features

1 - 1 FDXS-F9

- 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
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Low energy consumption thanks to DC fan motor
- Optimised heating solution for your home

1



Fan only



Fan speed steps



Dry programme



Air filter



Weekly timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart



Self diagnosis

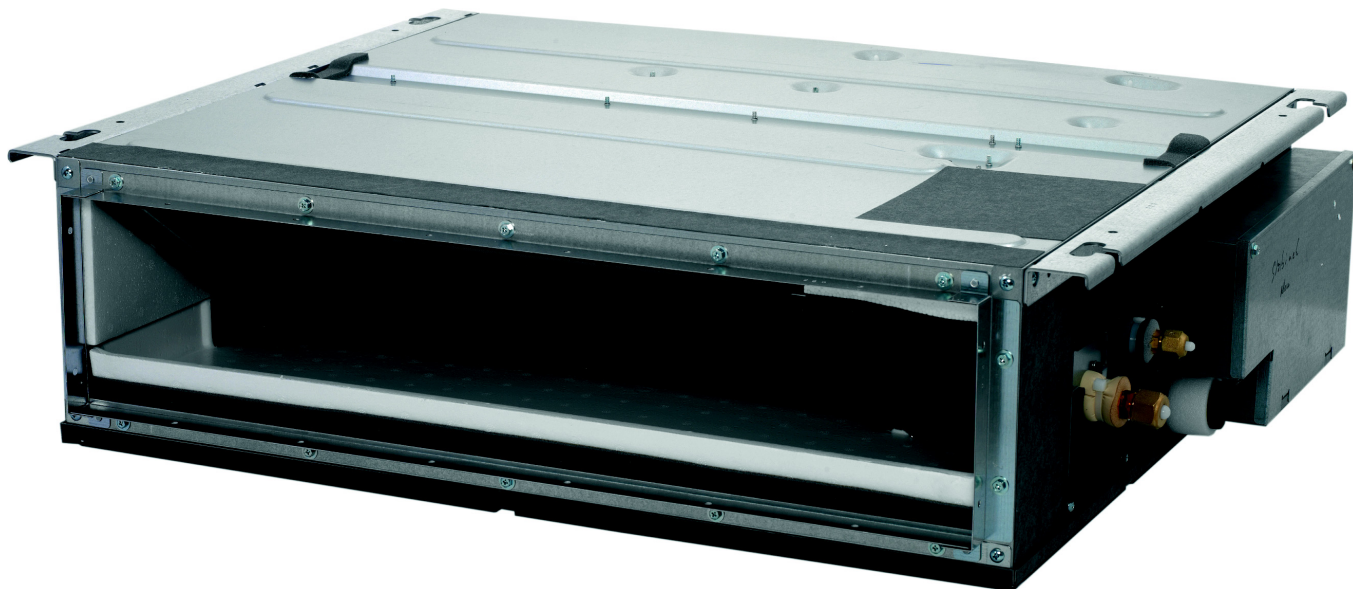


Multi model application

1 Features

1 - 2 FDXS-F

- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Low energy consumption thanks to DC fan motor
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Optimised heating solution for your home



Fan only



Fan speed steps



Dry programme



Air filter



Weekly timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart



Self diagnosis



Multi model application

2 Specifications

2-1 Technical Specifications					FDXS25F		FDXS35F		FDXS50F9		FDXS60F		
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		274/906/751				266/1,306/751		
Weight	Unit				kg		21				30		
	Packed unit				kg		29				37		
Packing	Weight				kg		-				7		-
Heat exchanger	Length				mm		500				900		
	Rows		Quantity			3				2			
	Fin pitch				mm		1.5						
	Stages		Quantity			12							
	Tube type				ø7 Hi-XD								
	Fin		Type			Multi slit fin							
Air filter	Type					Removable / washable / mildew proof							
Fan	Type					Sirocco fan							
	Air flow rate		Cooling	High	m³/min	8.7			12.0		16.0		
					cfm	307			424		565		
				Low	m³/min	7.3			10.0		13.5		
			cfm		258			353		477			
			Nom.	cfm	307			338		565			
				m³/min	8.7			11.0		16.0			
	Heating		High	m³/min	8.7			16.0					
				cfm	307			565					
			Low	m³/min	7.3			13.5					
				cfm	258			477					
			Nom.	cfm	282			523					
				m³/min	8.0			14.8					
	External static pressure		Nom.		Pa	30			40				
Fan motor	Model					KFD-280-44-8A			KFD-280-65-8A				
	Speed		Steps			3							
			Cooling	High/ Mediu m/Low	rpm	1,270/1,180/1,090			1,270/1,180/1,080		1,280/1,160/1,040		
						Heating	High/ Mediu m/Low	rpm	1,270/1,180/1,090			1,270/1,180/1,080	
Sound power level	Cooling				dBA		53			55		56	
	Heating				dBA		53			55		56	
Sound pressure level	Cooling		High/Low		dBA		35/27			38/30			
	Heating		High/Low		dBA		35/27			38/30			
Control systems	Wired remote control					BRC1E52A/B							
Refrigerant	Type					R-410A							
Piping connections	Liquid		OD			6.35							
	Gas		OD			9.5			12.7				
	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 Electrical Specifications				FDXS25F	FDXS35F	FDXS50F9	FDXS60F
Power supply	Name			VE			
	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	230		220-240	
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.3		0.5	
		Heating	A	0.3		0.5	

Notes

Operating sound is based on the rear side suction inlet and ESP 40Pa. Operating sound for under side suction inlet: (operation sound for rear side suction inlet) +5dB. However, when installation to which the ESP becomes low is carried out, 5dB or more may go up

When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

3 Options

3 - 1 Options

FDXS-F
FDXS-F(9)
FXDQ-A

	Option name	Model name	Status	Available	
				VRV	SA
Individual control systems	Wired remote controller	BRC1D52/BRC1D61(1)/BRC1E51A	EXIST	o	o
	Simplified remote controller	BRC2E52C (3)	EXIST	o	o
	Stylish remote controller	BRC3E52C (3)	EXIST	o	o
	Remote control for hotel use	BRC3E52C (3)	EXIST	o	o
	Wireless remote control (H/P)	BRC4C65	EXIST	o	o
Centralised control systems	Central remote control	DCS302CA51/DCS302CA61(1)	EXIST	o	o
	Unified on/off control	DCS301BA51/DCS301BA61(A)	EXIST	o	o
	Schedule timer	DST301BA51/DST301BA61(1)	EXIST	o	o
	Residential central remote control	DCS303A51(1) (2)	EXIST	o	o
Other options	Adaptor for wiring	KRP1856	EXIST	o	o
	Wiring adaptor for electrical appendices 1	KRP2A53	EXIST	o	o
	Wiring adaptor for electrical appendices 2	KRP4A54	EXIST	o	o
	Remote sensor	KRC501-4B	EXIST	o	o
	Installation box for adapter PCB	KRP1BA101	EXIST	o	o
	Electric box with earth terminal - 2 blocks	KJB212AA	EXIST	o	o
	Electric box with earth terminal - 3 blocks	KJB311AA	EXIST	o	o
	Noise filter (for electromagnetic interface use only)	KEK26-1A	EXIST	o	o
	External control adapter for outdoor unit (must be installed on indoor unit)	DTA104A53	EXIST	o	-
	Multi tenant	DTA114A61	EXIST	o	-
	Insulation kit for high humidity	KDT25N32/KDT25N50/KDT25N63	EXIST	o	o
	Digital input adaptor	BRP7A54	EXIST	o	o

(1): For DAME only.

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

(3): 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.

(4): Only possible in combination with simplified remote control BRC2/3E52C.

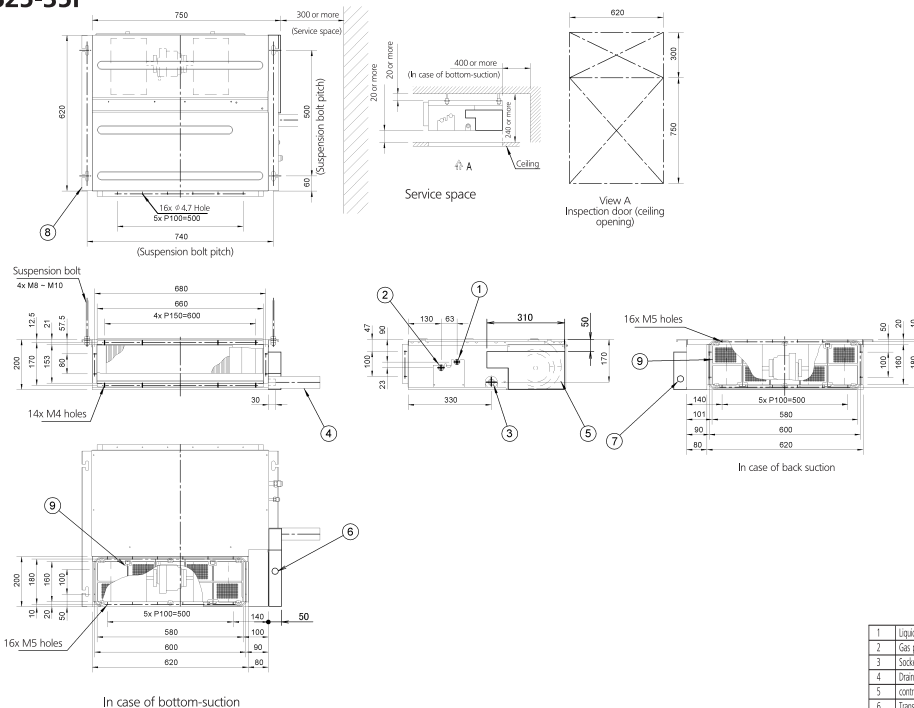
(5): Requires installation box for adaptor PCB.

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4 Dimensional drawings

4 - 1 Dimensional Drawings

FDXS25-35F



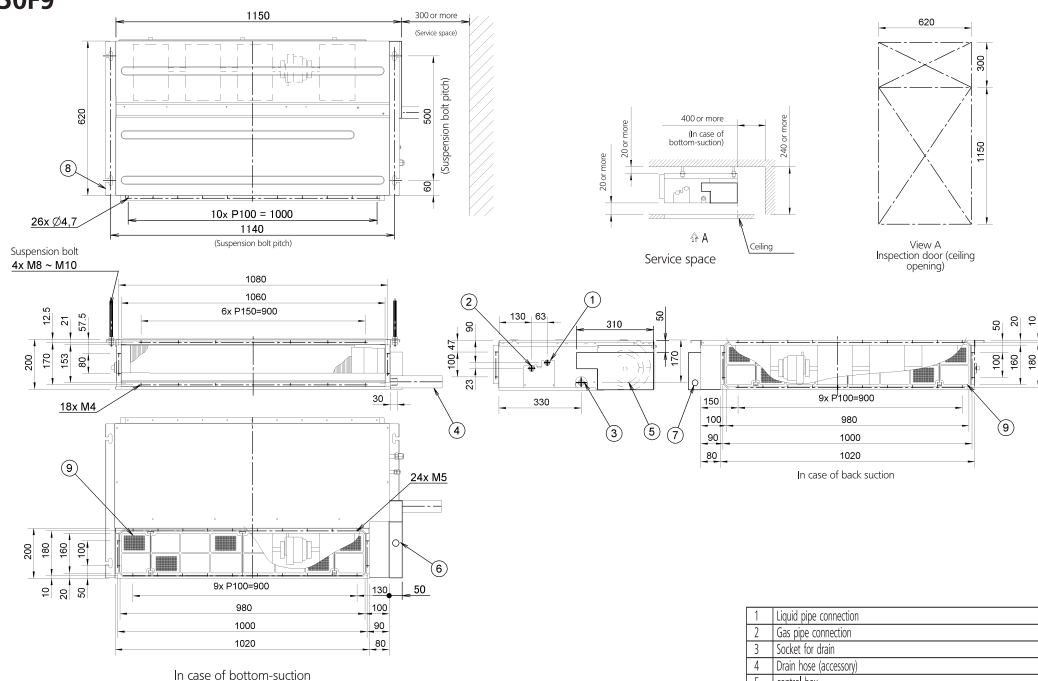
Note:

1. In case of back-suction, mount chamber cover to bottom side of the unit.
2. In case of bottom-suction, mount chamber cover to back side of the unit.
3. Location of unit's name plate: control box cover.
4. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique.) It can not be equipped with air filter (accessory) when connecting duct to suction side.

1	Liquid pipe connection	Φ 6.4 Flare connection
2	Gas pipe connection	Φ 9.5 Flare connection
3	Socket for drain	VP 20 (ID: Φ 25, ID: Φ 20)
4	Drain hose (accessory)	ID Φ 25 (Outlet)
5	Control box	
6	Transmission wiring	
7	Power supply connection	
8	Suspension bracket	
9	Air filter (accessory)	

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FDXS50F9



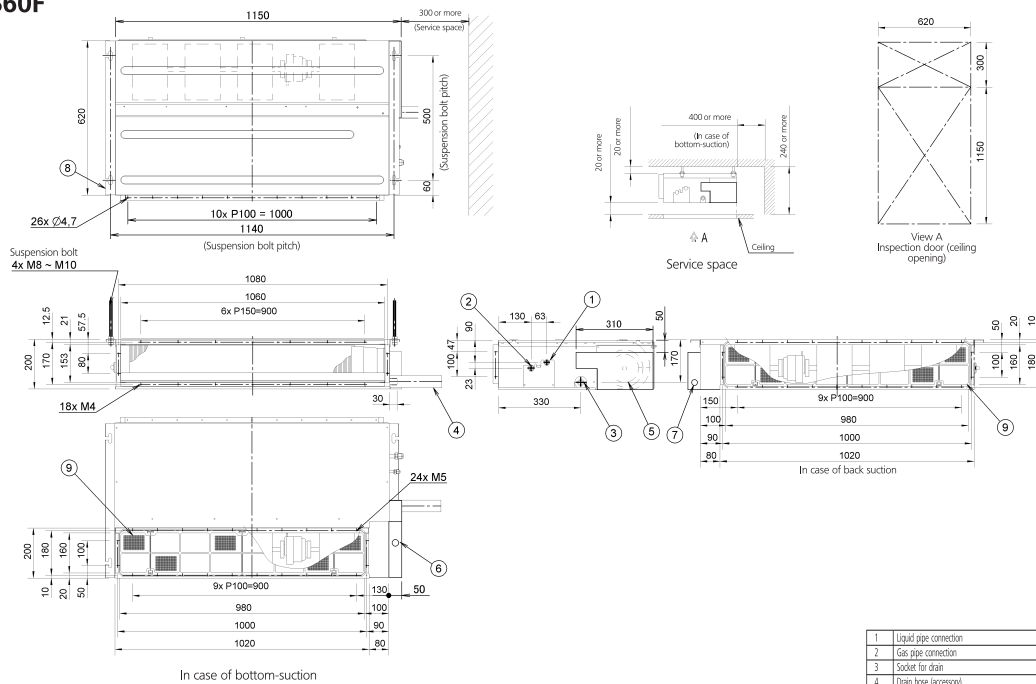
Note:

1. In case of back-suction, mount chamber cover to bottom side of the unit.
2. In case of bottom-suction, mount chamber cover to back side of the unit.
3. Location of unit's name plate: control box cover.
4. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique.) It can not be equipped with air filter (accessory) when connecting duct to suction side.

1	Liquid pipe connection	Φ 6.4 Flare connection
2	Gas pipe connection	Φ 12.7 Flare connection
3	Socket for drain	VP 20 (ID: Φ 25, ID: Φ 20)
4	Drain hose (accessory)	ID Φ 25 (Outlet)
5	Control box	
6	Transmission wiring	
7	Power supply connection	
8	Suspension bracket	
9	Air filter (accessory)	

3D085963

4 - 1 Dimensional Drawings

FDXS60F

Note:

1. In case of back-suction, mount chamber cover to bottom side of the unit.
In case of bottom-suction, mount chamber cover to back side of the unit.
2. Location of unit's name plate: control box cover.
3. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique.) It can not be equipped with air filter (accessory) when connecting duct to suction side.

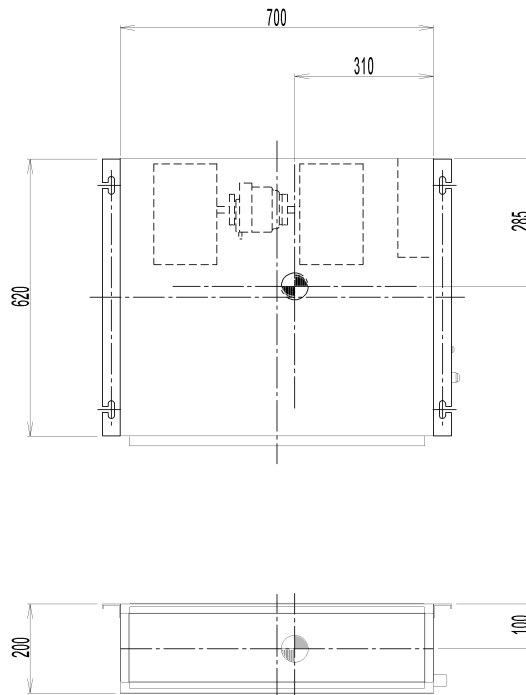
1	Liquid pipe connection	Ø 6,4 Bare connection
2	Gas pipe connection	Ø 12,7 Bare connection
3	Socket for drain	VP 20 (ID Ø 26, ID Ø 20)
4	Drain hose (accessory)	D Ø 25 (Buckle)
5	Control box	
6	Transmission wiring	
7	Power supply connection	
8	Suspension bracket	
9	Air filter (accessory)	

3D081360

5 Centre of gravity

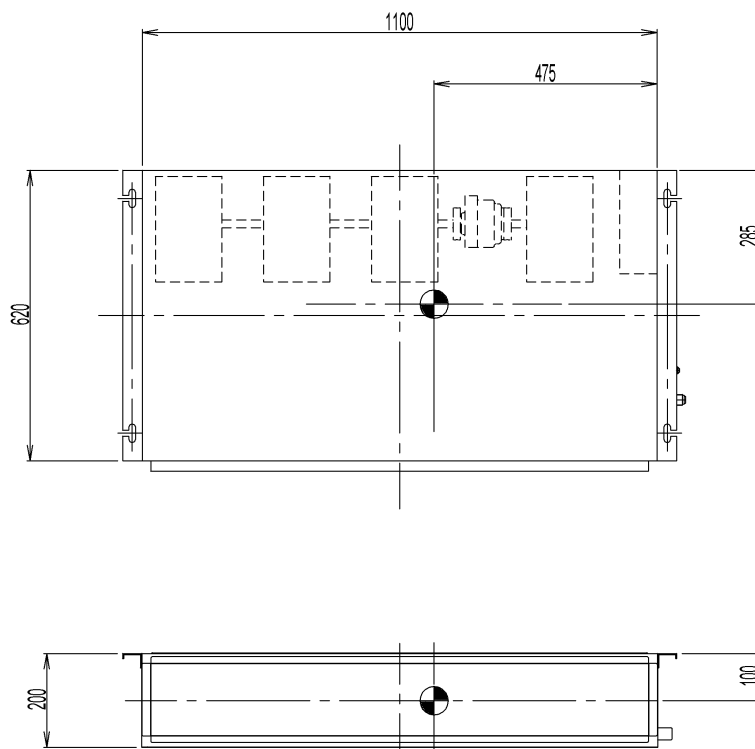
5 - 1 Centre of Gravity

FDXS25-35F



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FDXS50F9



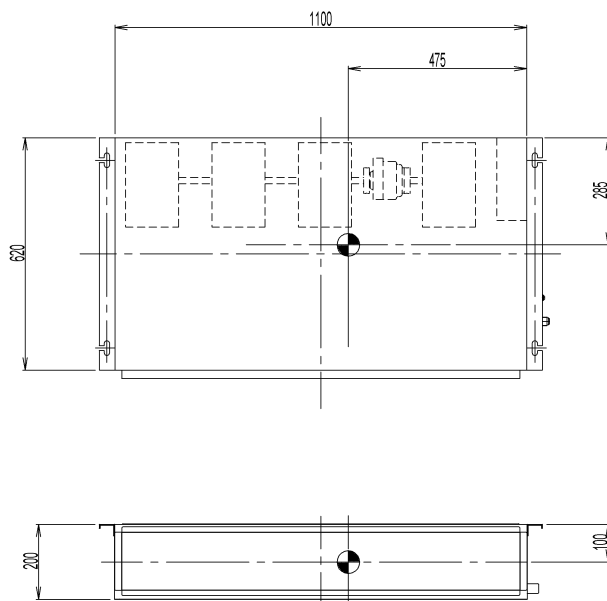
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5 Centre of gravity

5 - 1 Centre of Gravity

5

FDXS60F

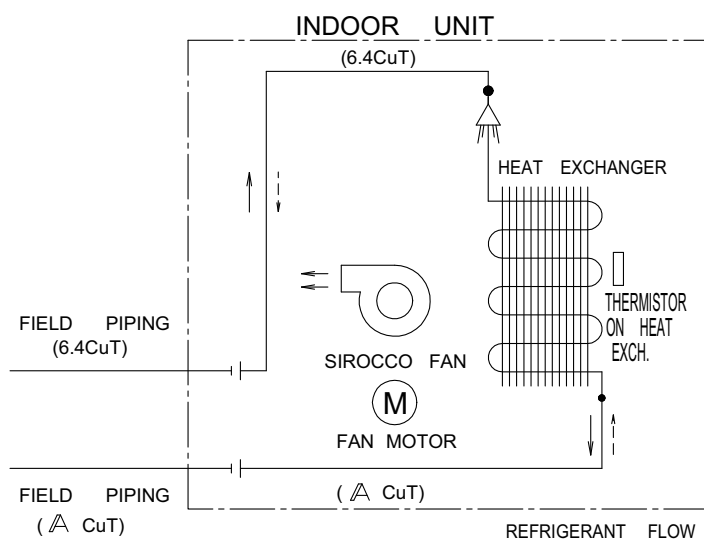


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6 Piping diagrams

6 - 1 Piping Diagrams

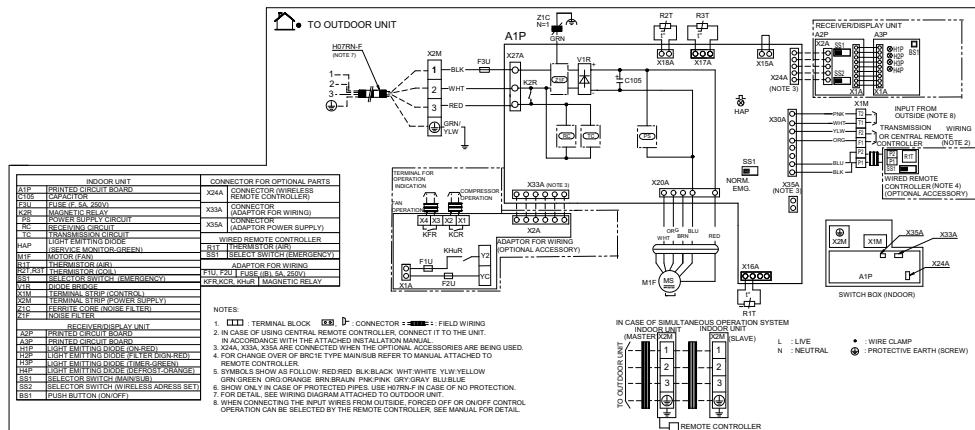
FDXS-F(9)



4D081335C

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

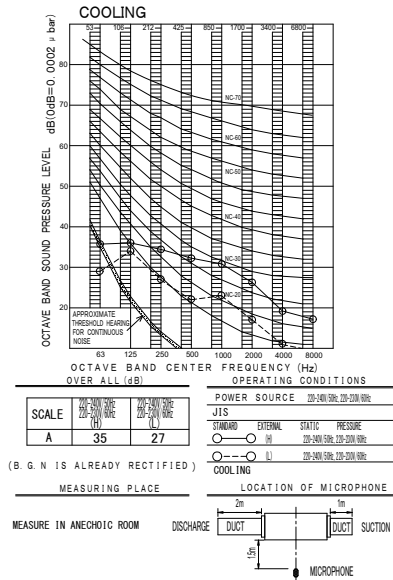
FDXS-F

3D080361D

8 Sound data

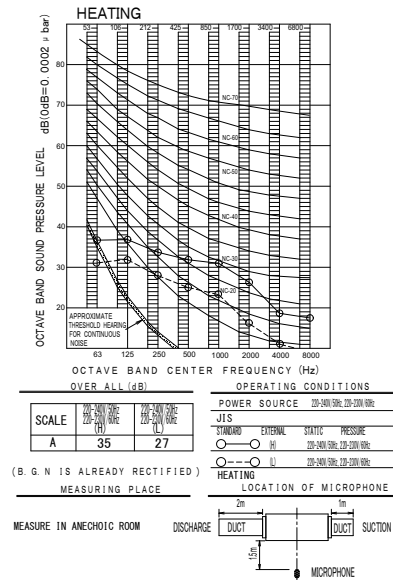
8 - 1 Sound Pressure Spectrum

FDXS20-25F



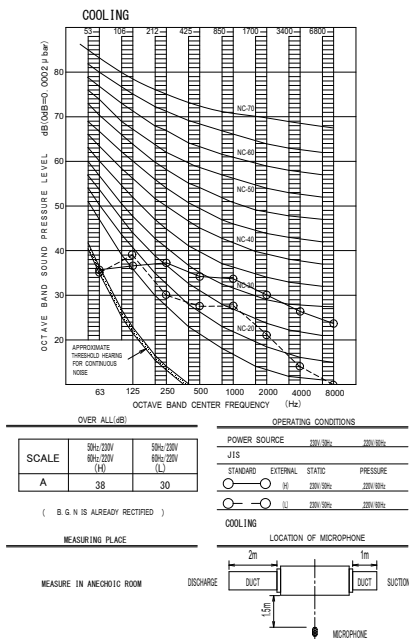
NOTES:

1. OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.
2. THE OPERATING SOUND IS BASED ON THE REAR SIDE SUCTION INLET AND THE EXTERNAL STATIC PRESSURE 40Pa.



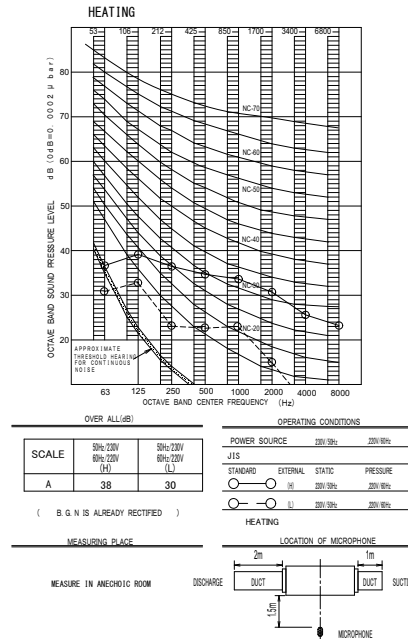
3D081403A

FDXS50F9



NOTES:

1. OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.
2. THE OPERATING SOUND IS BASED ON THE REAR SIDE SUCTION INLET AND THE EXTERNAL STATIC PRESSURE 40Pa.

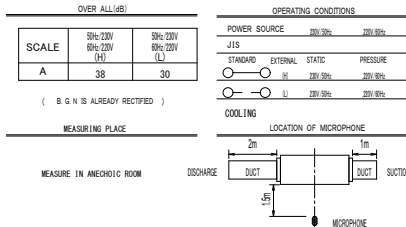
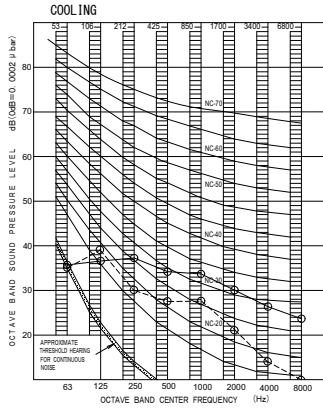


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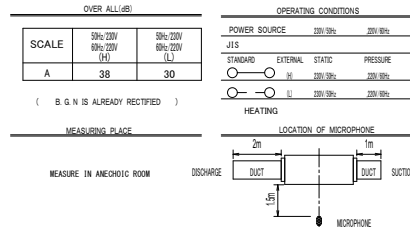
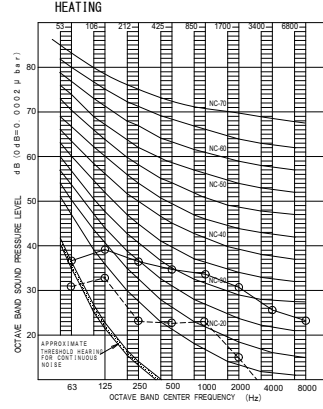
8 Sound data

8 - 1 Sound Pressure Spectrum

FDXS60F



NOTES:
1. OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.
2. THE OPERATING SOUND IS BASED ON THE REAR SIDE SUCTION INLET AND THE EXTERNAL STATIC PRESSURE 40Pa.

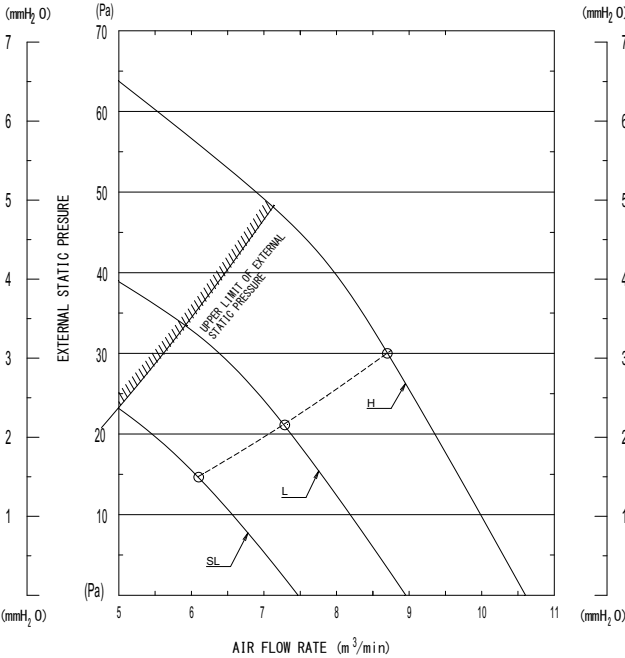


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9 Fan characteristics

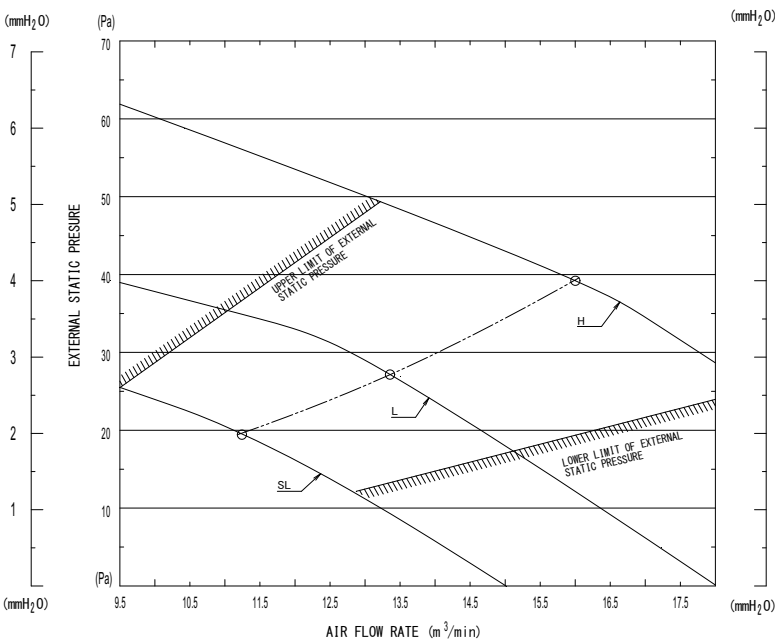
9 - 1 Fan Characteristics

FDXS25-35F



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FDXS50F

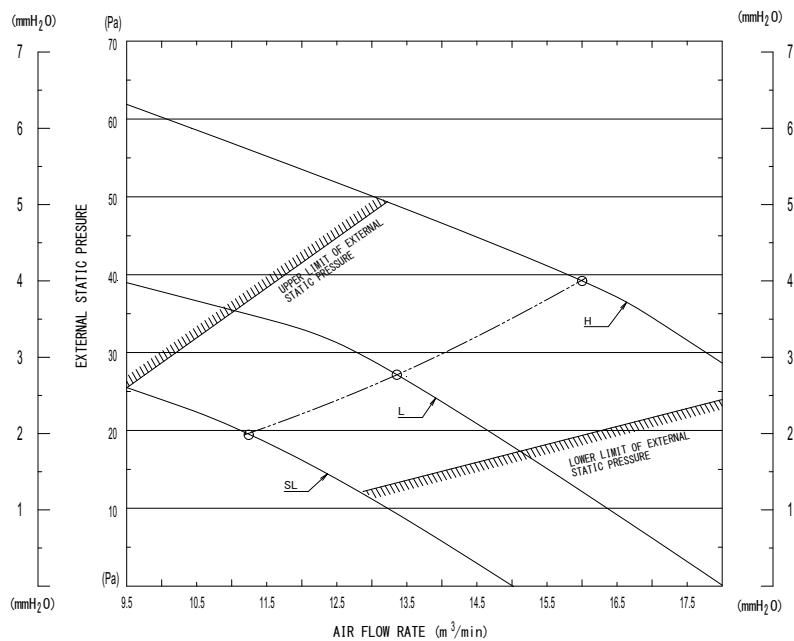


3D085960B

9 Fan characteristics

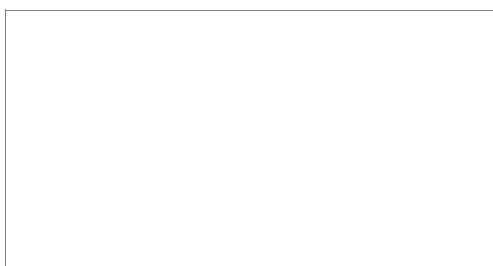
9 - 1 Fan Characteristics

FDXS60F



3D081329B

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