



Slim concealed ceiling
unit
Technical data book
FXDA-A



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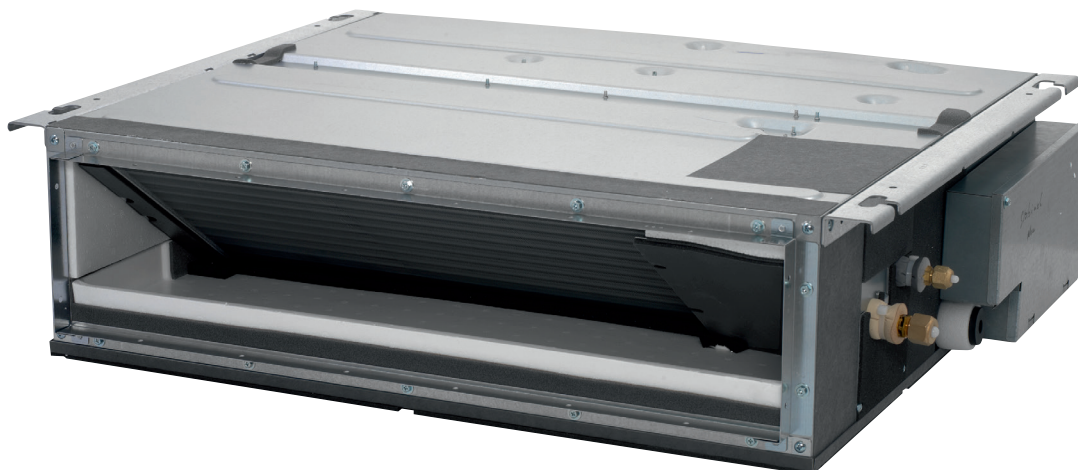
FXDA-A

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1 Features

1 - 1 FXDA-A

- › Discretely concealed in the wall: only the suction and discharge grilles are visible
- › Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- › Optimised design for R-32 refrigerant
- › Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- › Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- › 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- › Standard drain pump with 600mm lift increases flexibility and installation speed
- › Flexible installation, as the air suction direction can be altered from rear to bottom suction



Auto-cleaning filter



Inverter



Home leave operation



Fan only



Auto cooling-heating changeover



Whisper quiet



Fan speed steps



Dry programme



Air filter



Weekly timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart



Self diagnosis



Multi tenant



Drain pump kit

2 Specifications

1 - 1 FXDA-A

Technical specifications					FXDA10A	FXDA15A	FXDA20A	FXDA25A	FXDA32A	FXDA40A
Cooling capacity	Sensible capacity	At high fan speed	kW	0.80	1.20	1.50	1.90	2.50	3.00	
		At medium fan speed	kW	0.80	1.00	1.30	1.70	2.10	2.60	
		At low fan speed	kW	0.70	0.90	1.10	1.50	1.80	2.20	
	Latent capacity	At high fan speed	kW	0.30	0.50	0.70	0.90	1.10	1.50	
		At medium fan speed	kW	0.20	0.50	0.60	0.80	1.00	1.30	
		At low fan speed	kW	0.20	0.50	0.60	0.70	0.90	1.20	
	Total capacity	At high fan speed	kW	1.10	1.70	2.20	2.80	3.60	4.50	
		At medium fan speed	kW	1.00	1.50	1.90	2.50	3.10	3.90	
		At low fan speed	kW	0.90	1.40	1.70	2.20	2.70	3.40	
Heating capacity	Total capacity	At high fan speed	kW	1.30	1.90	2.50	3.20	4.00	5.00	
		At medium fan speed	kW	1.20	1.60	2.10	2.70	3.40	4.20	
		At low fan speed	kW	1.10	1.50	1.80	2.30	2.90	3.60	
Power input - 50Hz	Cooling	At high fan speed	kW	0.042	0.057	0.068		0.075		
		At medium fan speed	kW	0.040	0.054	0.058		0.060	0.062	
		At low fan speed	kW	0.039	0.050	0.048		0.052		
	Heating	At high fan speed	kW	0.042	0.057	0.068		0.075		
		At medium fan speed	kW	0.040	0.054	0.058		0.060	0.062	
		At low fan speed	kW	0.039	0.050	0.048		0.052		
Power input - 60Hz	Cooling	At high fan speed	kW	0.042	0.057	0.068			0.075	
	Heating	At high fan speed	kW	0.042	0.057	0.068			0.075	
Dimensions	Unit	Height	mm	200						
		Width	mm	750						950
		Depth	mm	620						
	Packed unit	Height	mm	260						
		Width	mm	922						1,122
		Depth	mm	768						
Weight	Unit	kg	22.0			23.0			26.5	
	Packed unit	kg	25.0			26.0			29.0	
Casing	Colour				Not painted (galvanised)					
	Material				Galvanised steel					
Required ceiling void >			mm	240						
Heat exchanger	Inside length		mm	500						700
	Rows	Quantity	2						3	
	Fin pitch		mm	1.50						
	Passes	Quantity	1			3		6		
	Face area		m²	0.063			0.126			0.176
	Stages	Quantity	6			12				
	Empty tubeplate hole	Quantity	-					4	-	
	Tube type		ø7 Hi-XD							
	Fin Type		Symmetric waffle louvre							
Fan	Type		Sirocco fan							
	Quantity		2							3
	Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	5.2	6.5	8.0			10.5
			At medium fan speed	m³/min	4.9	6.2	7.2			9.5
			At low fan speed	m³/min	4.7	5.8	6.4			8.5
		Heating	At high fan speed	m³/min	5.2	6.5	8.0			10.5
			At medium fan speed	m³/min	4.9	6.2	7.2			9.5
			At low fan speed	m³/min	4.7	5.8	6.4			8.5
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	184	230	283			371
			At medium fan speed	cfm	173	219	254			335
			At low fan speed	cfm	166	205	226			300
		Heating	At high fan speed	cfm	184	230	283			371
			At medium fan speed	cfm	173	219	254			335
			At low fan speed	cfm	166	205	226			300
Sound power level	Cooling	At high fan speed	dBA	48	50	51			52	
Sound pressure level	Cooling	At high fan speed	dBA	29.0	32.0	33.0			34.0	
		At medium fan speed	dBA	28.0	31.0			32.0		
		At low fan speed	dBA	26.0	27.0			28.0		
	Heating	At high fan speed	dBA	29.0	32.0	33.0			34.0	
		At medium fan speed	dBA	28.0	31.0			32.0		
		At low fan speed	dBA	26.0	27.0			28.0		
Fan motor	Quantity				1					
	Output	Max	W	44					65	

2 Specifications

1 - 1 FXDA-A

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Technical specifications				FXDA10A	FXDA15A	FXDA20A	FXDA25A	FXDA32A	FXDA40A
Refrigerant	Type			R-32					
	GWP			675.0					
	Control			Electronic expansion valve					
Piping connections	Liquid	Type		Flare connection					
		OD	mm	6.35					
	Gas	Type		Flare connection					
		OD	mm	9.52					12.70
	Drain			VP20 (I.D. 20/O.D. 26)					
	Heat insulation			Both liquid and gas pipes					
Drain-up height			mm	600					
Air filter	Type			Removable / washable					
Safety devices	Item	01		PC board fuse					
		02		Fan motor overcurrent protector					
		03		Fan motor thermal protection					
Control systems	Infrared remote control			BRC4C65					
	Wired remote control			BRC1H52W/S/K					

Technical specifications					FXDA50A		FXDA63A	
Cooling capacity	Sensible capacity	At high fan speed		kW	3.80		4.80	
		At medium fan speed		kW	3.20		3.90	
		At low fan speed		kW	2.70		3.10	
	Latent capacity	At high fan speed		kW	1.80		2.30	
		At medium fan speed		kW	1.50		1.90	
		At low fan speed		kW	1.30		1.60	
	Total capacity	At high fan speed		kW	5.60		7.10	
		At medium fan speed		kW	4.70		5.80	
		At low fan speed		kW	4.00		4.70	
Heating capacity	Total capacity	At high fan speed		kW	6.30		8.00	
		At medium fan speed		kW	5.10		6.30	
		At low fan speed		kW	4.10		5.00	
Power input - 50Hz	Cooling	At high fan speed		kW	0.096		0.107	
		At medium fan speed		kW	0.077		0.084	
		At low fan speed		kW	0.062		0.067	
	Heating	At high fan speed		kW	0.096		0.107	
		At medium fan speed		kW	0.077		0.084	
		At low fan speed		kW	0.062		0.067	
Power input - 60Hz	Cooling	At high fan speed		kW	0.096		0.107	
	Heating	At high fan speed		kW	0.096		0.107	
Dimensions	Unit	Height		mm	200			
		Width		mm	950		1,150	
		Depth		mm	620			
	Packed unit	Height		mm	260			
		Width		mm	1,122		1,322	
		Depth		mm	768			
Weight	Unit		kg	26.5		30.5		
	Packed unit		kg	29.0		33.0		
Casing	Colour		Not painted (galvanised)					
	Material		Galvanised steel					
Required ceiling void >				mm	240			
Heat exchanger	Inside length		mm	700		900		
	Rows	Quantity		3				
	Fin pitch		mm	1.50				
	Passes	Quantity		6				
	Face area		m²	0.176		0.227		
	Stages	Quantity		12				
	Tube type		ø7 Hi-XD					
	Fin		Type	Symmetric waffle louver				
Fan	Type		Sirocco fan					
	Quantity		3		4			
	Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	12.5		16.5	
			At medium fan speed	m³/min	11.0		14.5	
			At low fan speed	m³/min	10.0		13.0	
		Heating	At high fan speed	m³/min	12.5		16.5	

2 Specifications

1 - 1 FXDA-A

Technical specifications					FXDA50A		FXDA63A	
Fan	Air flow rate - 50Hz	Heating	At medium fan speed	m³/min	11.0		14.5	
			At low fan speed	m³/min	10.0		13.0	
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	441		583	
			At medium fan speed	cfm	388		512	
			At low fan speed	cfm	353		459	
		Heating	At high fan speed	cfm	441		583	
			At medium fan speed	cfm	388		512	
			At low fan speed	cfm	353		459	
	Sound power level	Cooling	At high fan speed	dB(A)	53		54	
	Sound pressure level	Cooling	At high fan speed	dB(A)	35.0		36.0	
At medium fan speed			dB(A)	33.0		34.0		
At low fan speed			dB(A)	29.0		30.0		
Heating		At high fan speed	dB(A)	35.0		36.0		
		At medium fan speed	dB(A)	33.0		34.0		
		At low fan speed	dB(A)	29.0		30.0		
Fan motor	Quantity				1			
	Output	Max	W	65				
Refrigerant	Type				R-32			
	GWP				675.0			
	Control				Electronic expansion valve			
Piping connections	Liquid	Type				Flare connection		
		OD	mm	6.35				
	Gas	Type				Flare connection		
		OD	mm	12.70				
	Drain				VP20 (I.D. 20/O.D. 26)			
Heat insulation				Both liquid and gas pipes				
Drain-up height				mm	600			
Air filter	Type				Removable / washable			
Safety devices	Item	01				PC board fuse		
		02				Fan motor overcurrent protector		
		03				Fan motor thermal protection		
Control systems	Infrared remote control			BRC4C65				
	Wired remote control			BRC1H52W/S/K				

Standard accessories: Installation and operation manual; Quantity: 1;

Standard accessories: Drain hose; Quantity: 1;

Standard accessories: Sealing material (drain hose); Quantity: 2;

Standard accessories: Metal clamp for drain hose; Quantity: 1;

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

Standard accessories: Screws; Quantity: 26;

Standard accessories: Insulation for fitting; Quantity: 2;

Standard accessories: Sealing material; Quantity: 2;

Standard accessories: Clamps; Quantity: 12;

Electrical specifications			FXDA10A	FXDA15A	FXDA20A	FXDA25A	FXDA32A	FXDA40A
Power supply	Name		VE					
	Phase		1~					
	Frequency	Hz	50/60					
	Voltage	V	220-240/220					
Current - 50Hz	Minimum circuit amps (MCA)	A	0.3		0.4			0.5
	Maximum fuse amps (MFA)	A			6			
	Full load amps (FLA) Total	A	0.2		0.3			0.4
Current - 60Hz	Minimum circuit amps (MCA)	A	0.3		0.4			0.5
	Maximum fuse amps (MFA)	A			6			
	Full load amps (FLA) Total	A	0.2		0.3			0.4

Electrical specifications			FXDA50A	FXDA63A
Power supply	Name		VE	
	Phase		1~	
	Frequency	Hz	50/60	
	Voltage	V	220-240/220	
Current - 50Hz	Minimum circuit amps (MCA)	A	0.6	
	Maximum fuse amps (MFA)	A	6	
	Full load amps (FLA) Total	A	0.5	

2 Specifications

1 - 1 FXDA-A

Electrical specifications			FXDA50A	FXDA63A
Current - 60Hz	Minimum circuit amps (MCA)	A	0.6	
	Maximum fuse amps (MFA)	A	6	
	Full load amps (FLA) Total	A	0.5	

- (1)Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m |
(2)Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m |
(3)Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat. |
(4)External static pressure is changeable to set by the remote control (from standard to high, see installation manual) |
(5)Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
(6)Maximum allowable voltage range variation between phases is 2%. |
(7)MCA/MFA: MCA = 1.1 x FLA |
(8)Instead of a fuse, use a circuit breaker |
(9)Select wire size based on the value of MCA |
(10)Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

FXDA-A

Model name	Unit			Power supply		IFM	Power input [W]	
	Hz	Voltage	Voltage range	MCA	MFA		Cooling	Heating
FXDA10A2VEB	50/60	220-240/220	MAX. 264/MAX. 242 MIN. 198/MIN. 198	0,3	6	0,2	36	36
FXDA15A2VEB				0,4	6	0,3	48	48
FXDA20A2VEB				0,4	6	0,3	68	68
FXDA25A2VEB				0,4	6	0,3	68	68
FXDA32A2VEB				0,4	6	0,3	68	68
FXDA40A2VEB				0,5	6	0,4	75	75
FXDA50A2VEB				0,6	6	0,5	96	96
FXDA63A2VEB				0,6	6	0,5	107	107

Notes

- 1) Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
- 2) The maximum allowable voltage that is unbalanced between phases is -2-%.
- 3) $MCA = 1.1 \times FLA$
- 4) Select the wire size according to the MCA.
- 5) Use a circuit breaker instead of a fuse.

Symbols

- MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
FLA: Full Load Ampere [A]
IFM: Indoor fan motor

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4 Safety device settings

4 - 1 Safety Device Settings

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FXDA-A

Safety devices		10	15	20	25	32	40	50	63
FXDA	Printed circuit board (main)	250V, 3.15A	250V, 3.15A	250V, 3.15A	250V, 3.15A	250V, 3.15A	250V, 3.15A	250V, 3.15A	250V, 3.15A
	Printed circuit board (fan)	250V, 1.3A	250V, 1.3A	250V, 1.3A	250V, 1.3A	250V, 1.3A	250V, 1.3A	250V, 1.3A	250V, 1.3A
	Fan motor thermal protector	°C	125	125	125	125	125	125	125

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5 Options

5 - 1 Options

Option kit	Product name	Availability		
		FXDA10-32A2VEB	FXDA40-50A2VEB	FXDA63A2VEB
Auto cleaning filter - Small	BAE20A62	✓		
Auto cleaning filter - Medium	BAE20A82		✓	
Auto cleaning filter - Large	BAE20A102			✓
Wireless remote control	BRC4C65	✓	✓	✓
Wired remote control	BRC1H52W/S/K	✓	✓	✓
Wiring adaptor for electrical appendices	ERP02A50 ①	✓	✓	✓
	KRP2A53 ①	✓	✓	✓
	KRP4A54 ①	✓	✓	✓
Remote sensor	KRCS01-8B	✓	✓	✓
Installation box for adaptor PCB	KRP1BC101	✓	✓	✓
Central remote control	DCS302C51	✓	✓	✓
Unified ON/OFF controller	DCS301B51	✓	✓	✓
Electrical box with earth terminal (:2- blocks)	KJB212AA	✓	✓	✓
Electrical box with earth terminal (:3- blocks)	KJB311AA	✓	✓	✓
Schedule timer	DST301BA51	✓	✓	✓
External control adaptor for outdoor unit	DTA104A53	✓	✓	✓
Digital input adaptor	BRP7A54 ①②	✓	✓	✓
Relay PCB	ERP01A51 ①	✓	✓	✓
Wire harness for external wireless temperature sensor	EKEWTSC-1 ③	✓	✓	✓
Noise filter (for electromagnetic interface only)	KEK26-1A	✓	✓	✓
Insulation kit for high humidity	KDT25N32 / KDT25N50 / KDT25N63	✓	✓	✓
WLAN adaptor for smartphones	BRP069C51 ④	✓	✓	✓

Notes

① Requires installation box for adaptor PCB ·KRP1BC101·.

② Only possible in combination with remote control ·BRC1H52·.

③ ·EKEWTSC-1· is a wire harness for the connection of option ·K.RSS·.

·K.RSS· is not an official option. Sales for this option are an SBU responsibility.

④ Only possible in combination with wired or wireless remote control (e.g. ·BRC1H52, BRC4C65·)

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXDA-A

Unit size	Fan speed	Indoor air temperature													
		14,0 [°C WB] 20,0 [°C DB]		16,0 [°C WB] 23,0 [°C DB]		18,0 [°C WB] 26,0 [°C DB]		19,0 [°C WB] 27,0 [°C DB]		20,0 [°C WB] 28,0 [°C DB]		22,0 [°C WB] 30,0 [°C DB]		24,0 [°C WB] 32,0 [°C DB]	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	H	0,6	0,5	0,8	0,7	1,0	0,8	1,1	0,8	1,2	0,8	1,4	0,9	1,6	1,0
	M	Correction factor -0.95 × H-													
	L	Correction factor -0.91 × H-													
15	H	1,0	0,9	1,3	1,1	1,6	1,2	1,7	1,3	1,9	1,3	2,2	1,4	2,5	1,5
	M	Correction factor -0.88 × H-													
	L	Correction factor -0.82 × H-													
20	H	1,3	1,0	1,6	1,3	2,0	1,5	2,2	1,5	2,4	1,6	2,8	1,7	3,3	1,8
	M	Correction factor -0.86 × H-													
	L	Correction factor -0.77 × H-													
25	H	1,7	1,3	2,1	1,6	2,6	1,8	2,8	1,9	3,1	2,0	3,6	2,2	4,2	2,3
	M	Correction factor -0.89 × H-													
	L	Correction factor -0.79 × H-													
32	H	2,2	1,7	2,7	2,0	3,3	2,4	3,6	2,5	3,9	2,6	4,7	2,8	5,4	2,9
	M	Correction factor -0.86 × H-													
	L	Correction factor -0.75 × H-													
40	H	2,7	2,1	3,4	2,5	4,1	2,9	4,5	3,0	4,9	3,1	5,8	3,4	6,7	3,6
	M	Correction factor -0.87 × H-													
	L	Correction factor -0.76 × H-													
50	H	3,3	2,7	4,2	3,2	5,1	3,7	5,6	3,8	6,1	3,9	7,2	4,2	8,4	4,5
	M	Correction factor -0.84 × H-													
	L	Correction factor -0.71 × H-													
63	H	4,3	3,4	5,3	4,0	6,5	4,6	7,1	4,8	7,7	5,0	9,0	5,3	10,4	5,6
	M	Correction factor -0.82 × H-													
	L	Correction factor -0.66 × H-													

Notes

- 1) TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
- 2) Outdoor temperature -35 °C DB

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6 Capacity tables

6 - 2 Heating Capacity Tables

FXDA-A

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Unit size	Fan speed	Indoor air temperature					
		16,0 [°C DB]	18,0 [°C DB]	20,0 [°C DB]	21,0 [°C DB]	22,0 [°C DB]	24,0 [°C DB]
		TC	TC	TC	TC	TC	TC
10	H	1,5	1,4	1,3	1,2	1,2	1,1
	M	Correction factor -0.92 × H					
	L	Correction factor -0.88 × H					
15	H	1,5	1,4	1,3	1,2	1,2	1,1
	M	Correction factor -0.84 × H					
	L	Correction factor -0.79 × H					
20	H	2,9	2,7	2,5	2,4	2,3	2,1
	M	Correction factor -0.84 × H					
	L	Correction factor -0.72 × H					
25	H	3,7	3,5	3,2	3,1	2,9	2,7
	M	Correction factor -0.84 × H					
	L	Correction factor -0.72 × H					
32	H	4,7	4,3	4,0	3,8	3,7	3,3
	M	Correction factor -0.85 × H					
	L	Correction factor -0.73 × H					
40	H	5,8	5,4	5,0	4,8	4,6	4,2
	M	Correction factor -0.84 × H					
	L	Correction factor -0.72 × H					
50	H	7,4	6,8	6,3	6,0	5,8	5,3
	M	Correction factor -0.81 × H					
	L	Correction factor -0.65 × H					
63	H	9,3	8,7	8,0	7,7	7,3	6,7
	M	Correction factor -0.79 × H					
	L	Correction factor -0.63 × H					

Notes

- 1) TC: Total capacity [kW]
- 2) Outdoor temperature -7°C DB / -6°C WB

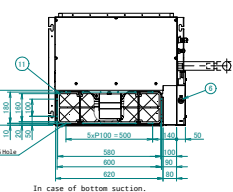
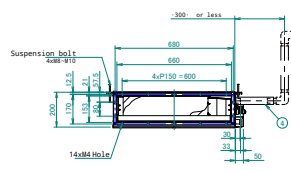
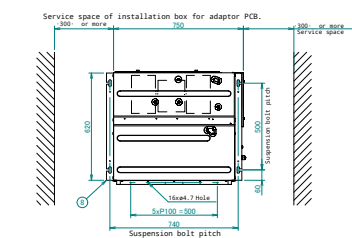
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7 Dimensional drawings

7 - 1 Dimensional Drawings

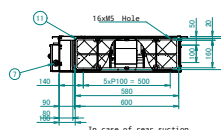
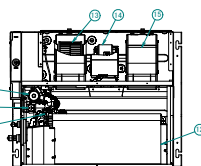
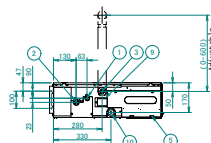
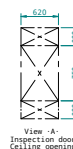
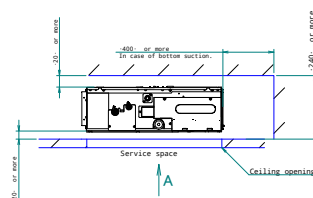
FXDA10-32A

7



Notes

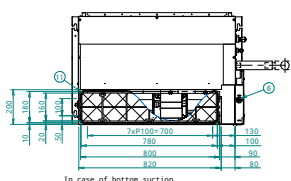
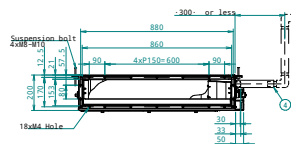
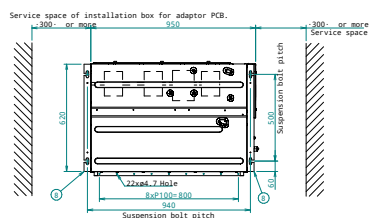
1. In case of bottom suction, mount the chamber cover to the backside of the unit.
For more information, refer to the installation manual.
2. In case of rear suction, mount the chamber cover to the bottom side of the unit.
For more information, refer to the installation manual.
3. The unit nameplate is located on the control box cover.
4. Mount the air filter at the suction side.
Use an air filter with a dust collecting efficiency of at least -50-% (measured by gravimetric analysis).
When a duct is connected at the suction side, it is not possible to mount an air filter.



Item	
1	Liquid pipe connection -#35-Flare connection
2	Gas pipe connection -#52-Flare connection
3	Drain pipe connection Outside diameter: -#26- Inside diameter: -#20-
4	Drain hose (ACCESSORY) Inside diameter: -#25-
5	Control box
6	Transmission wiring connection
7	Power supply connection
8	Suspension bracket
9	Inspection door
10	Drain socket
11	Air filter (accessory)
12	Heat exchanger
13	Turbo fan
14	Fan motor
15	Fan housing
16	Drain pump
17	Floater switch
18	Electronic expansion valve

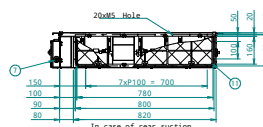
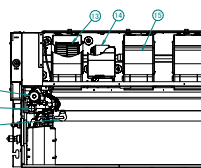
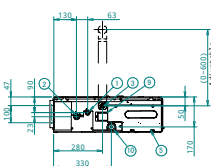
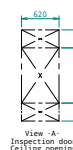
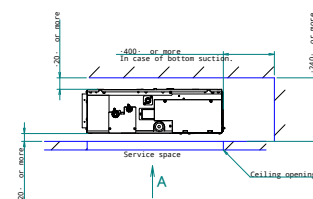
2D126395

FXDA40A
FXDA50A



Note

1. In case of bottom suction, mount the chamber cover to the backside of the unit.
For more information, refer to the installation manual.
2. In case of rear suction, mount the chamber cover to the bottom side of the unit.
For more information, refer to the installation manual.
3. The unit nameplate is located on the control box cover.
4. Mount the air filter at the suction side.
Use an air filter with a dust collecting efficiency of at least -50-% (measured by gravimetric analysis).
When a duct is connected at the suction side, it is not possible to mount an air filter.

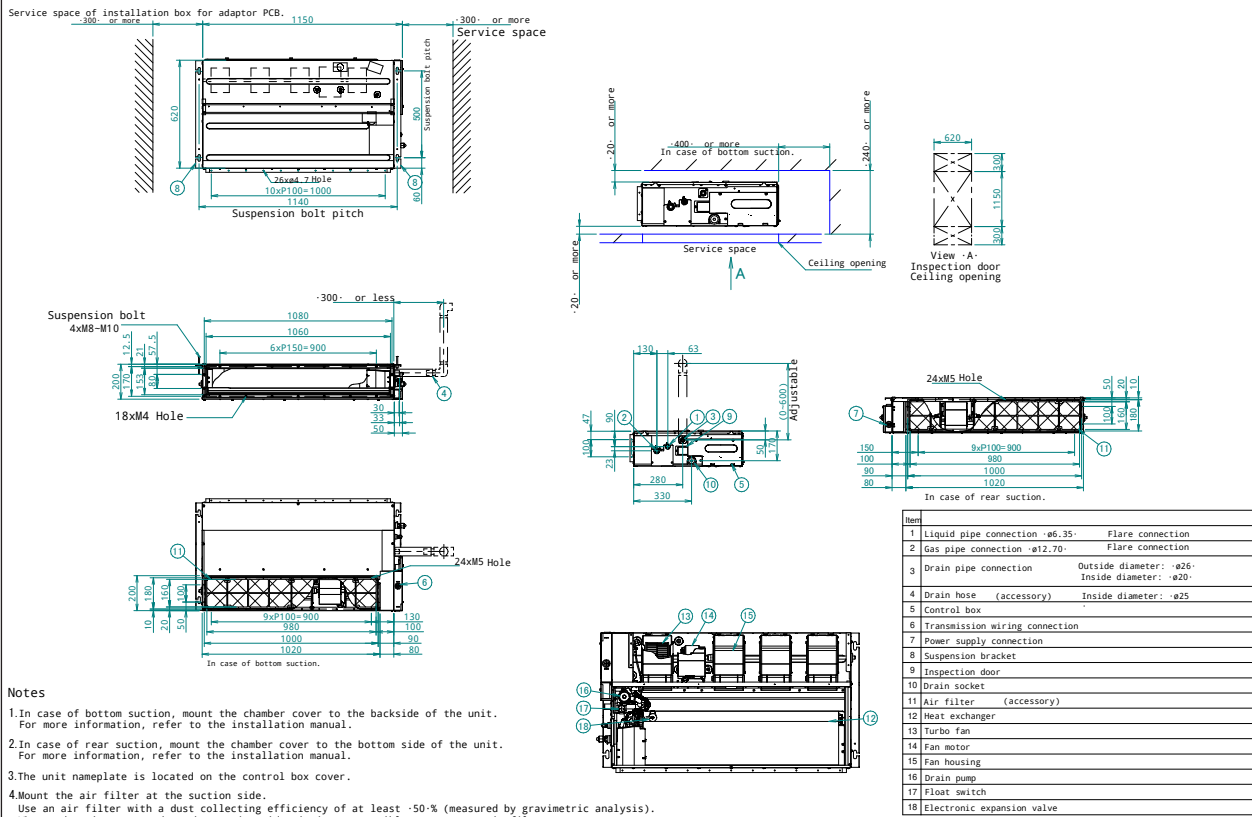


Item	
1	Liquid pipe connection -ø6.35: Flare connection
2	Gas pipe connection -ø12.70: Flare connection
3	Drain pipe connection Outside diameter: -ø26- Inside diameter: -ø20-
4	Drain hose (accessory) Inside diameter: -ø25-
5	Control box
6	Transmission wiring connection
7	Power supply connection
8	Suspension bracket
9	Inspection door
10	Drain socket
11	Air filter (accessory)
12	Heat exchanger
13	Turbo fan
14	Fan motor
15	Fan housing
16	Drain pump
17	Float switch
18	Electronic expansion valve

2D126677

7 Dimensional drawings

7 - 1 Dimensional Drawings

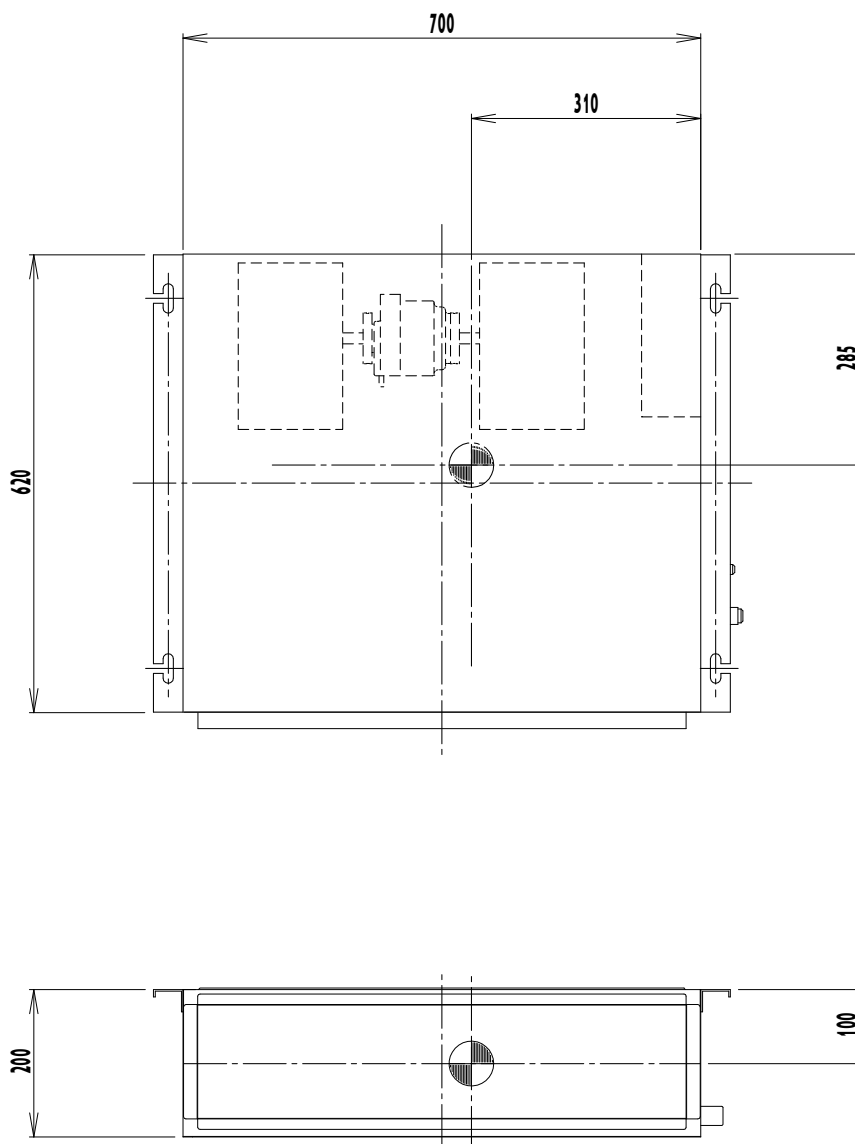
FXDA63A

2D126592

8 Centre of gravity

8 - 1 Centre of Gravity

FXDA10-32A

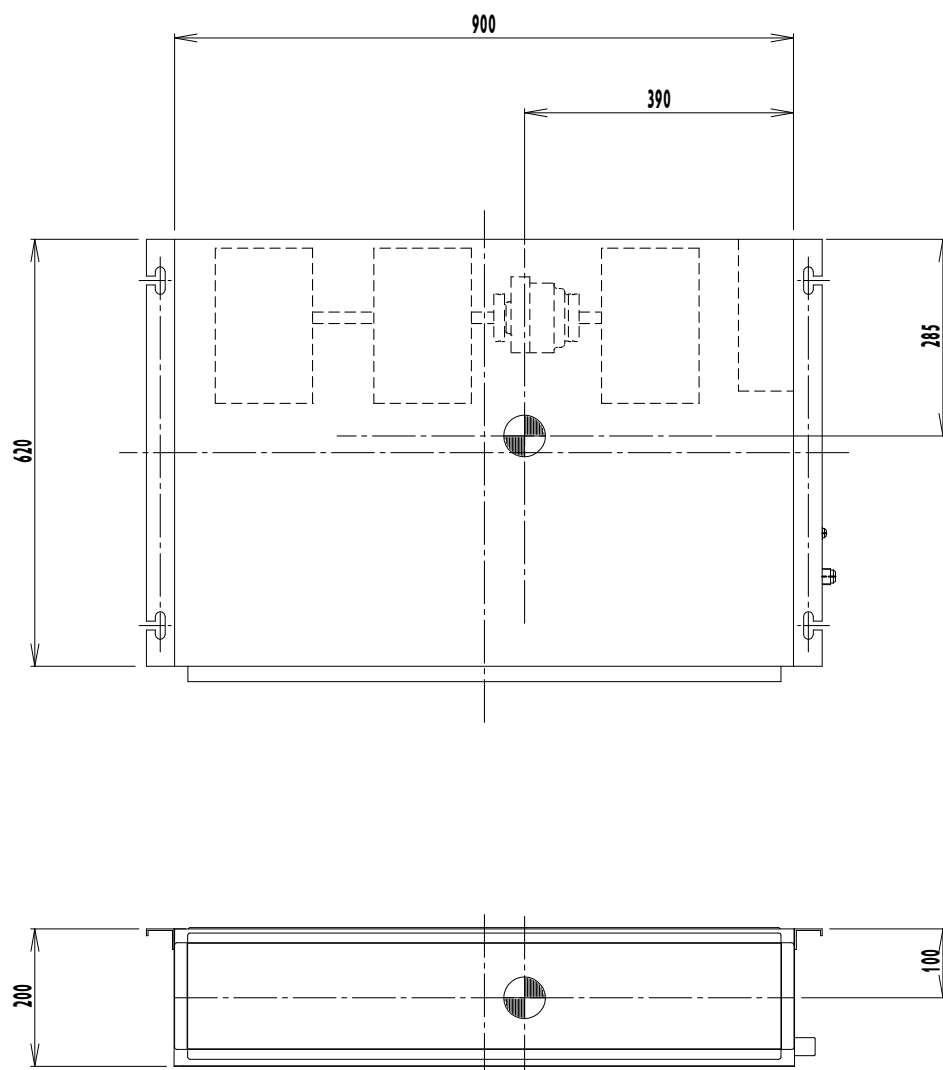


4D081430B

8 Centre of gravity

8 - 1 Centre of Gravity

FXDA40-50A

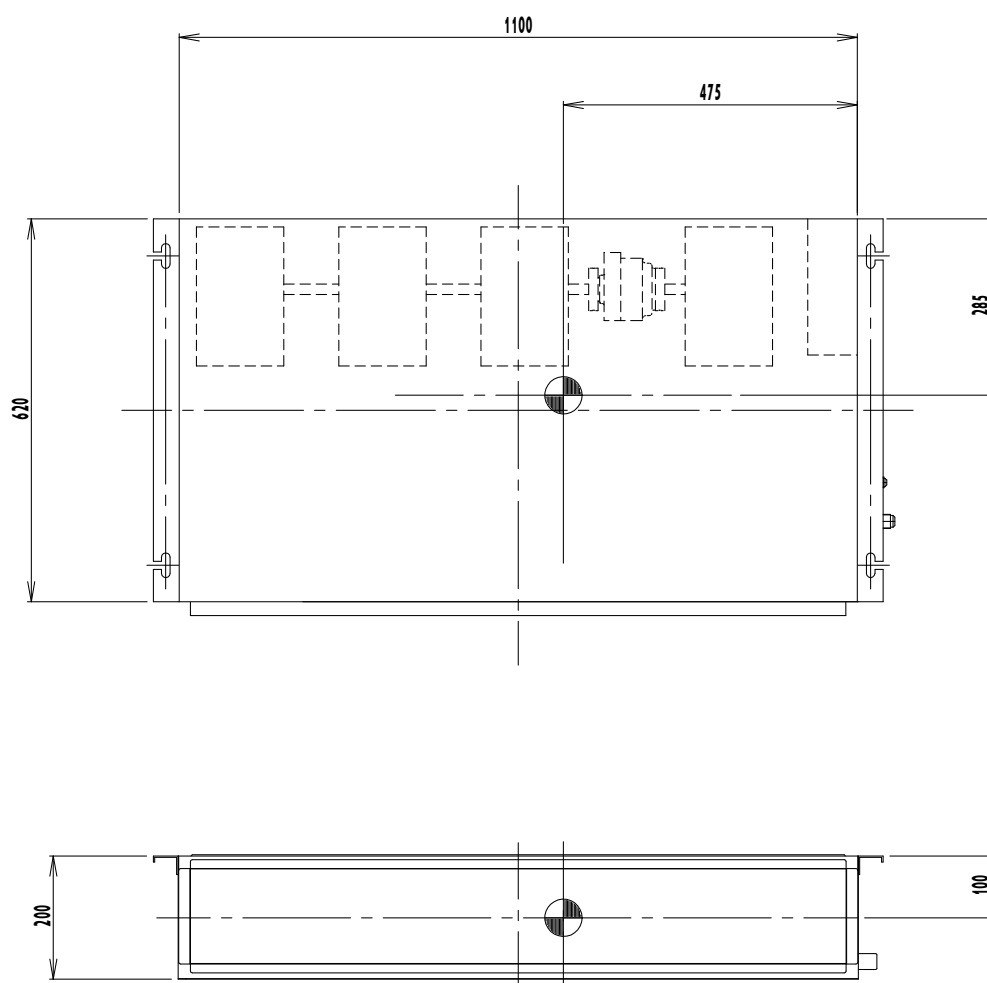


4D081431B

8 Centre of gravity

8 - 1 Centre of Gravity

FXDA63A



4D081433B

9 Piping diagrams

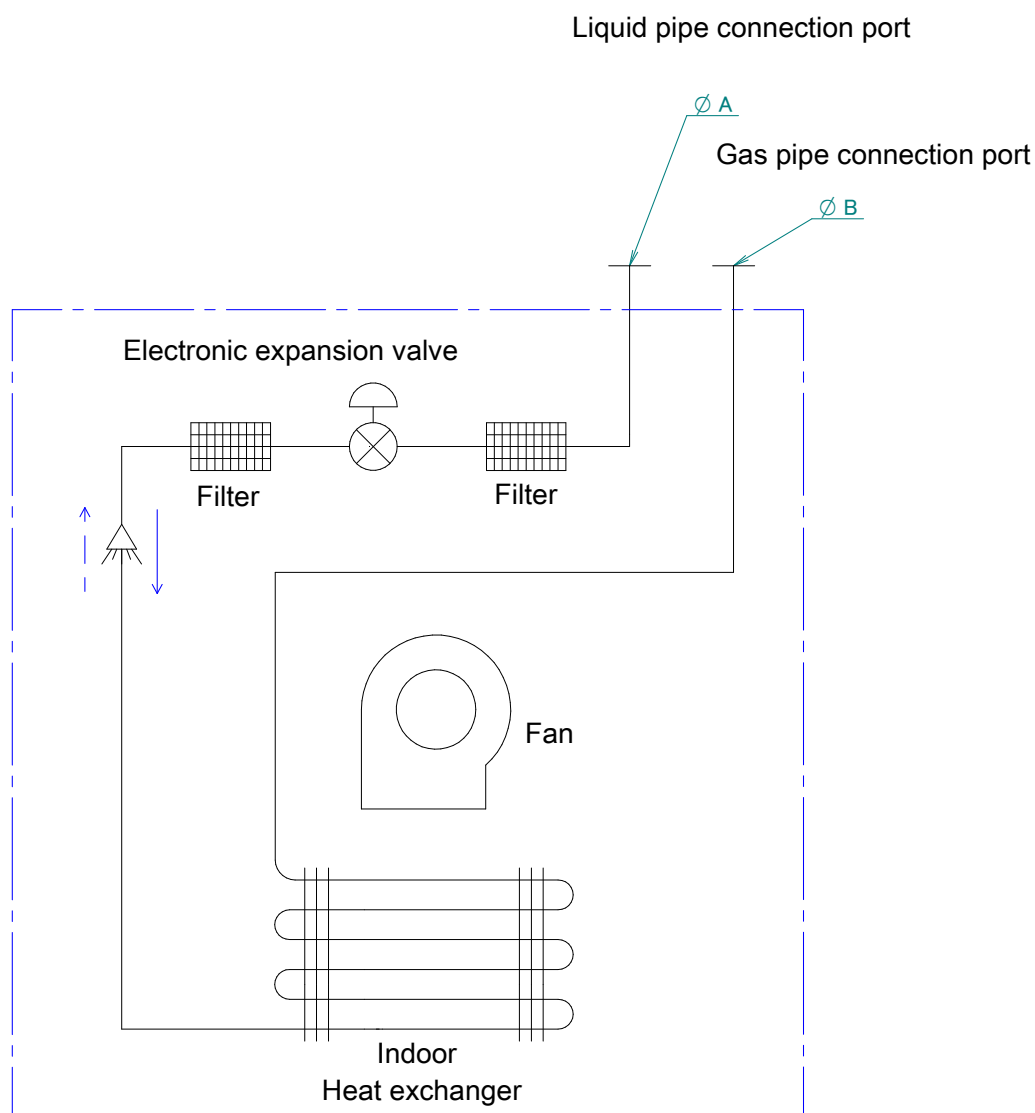
9 - 1 Piping Diagrams

FXDA-A

Model	A	B
FXDA10A2VEB	6.35	9.52
FXDA15A2VEB		
FXDA20A2VEB		
FXDA25A2VEB		
FXDA32A2VEB		
FXDA40A2VEB	12.7	
FXDA50A2VEB		
FXDA63A2VEB		

REFRIGERANT FLOW

COOLING ———→
HEATING - - - - -→

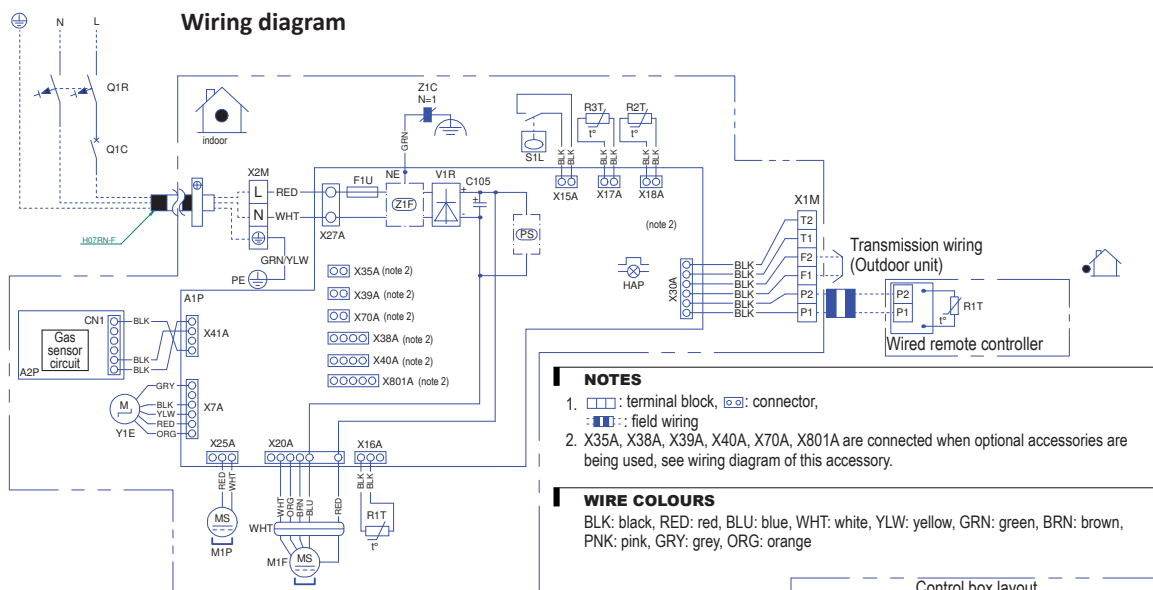


4D126229

10 - 1 Wiring Diagrams - Single Phase

10 - 1 Wiring Diagrams - Single Phase

Wiring diagram



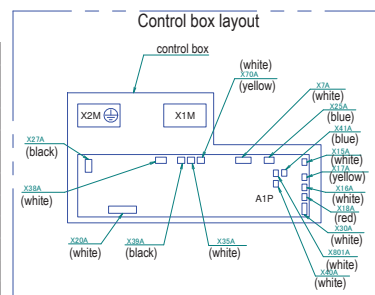
- NOTES**
1. : terminal block, : connector,
: : field wiring
 2. X35A, X38A, X39A, X40A, X70A, X801A are connected when optional accessories are being used, see wiring diagram of this accessory.

WIRE COLOURS

BLK: black, RED: red, BLU: blue, WHT: white, YLW: yellow, GRN: green, BRN: brown, PNK: pink, GRY: grey, ORG: orange

Indoor unit	
A1P	Printed circuit board (main)
C105	Capacitor
F1U	Fuse (T, 3.15A, 250V)
HAP	Flashing lamp (service monitor: green)
M1P	Motor (drain pump)
M1F	Motor (indoor fan)
R1T	Thermistor (air)
R2T, R3T	Thermistor (coil)
S1L	Float switch (drain pump)
V1R	Diode bridge
X7A-X801A	Connector
X1M	Terminal block (remote controller)

Indoor unit	
X2M	Terminal block (power supply)
Z1C	Ferrite core
Z1F	Noise filter
PS	Switching power supply
Y1E	Electronic expansion valve
Q1R	Residual current device
Q1C	Circuit breaker
NE	Noiseless earth
CN1	Gas sensor connector
A2P	Printed circuit board (gas sensor)
Wired remote controller	
R1T	Thermistor (air)

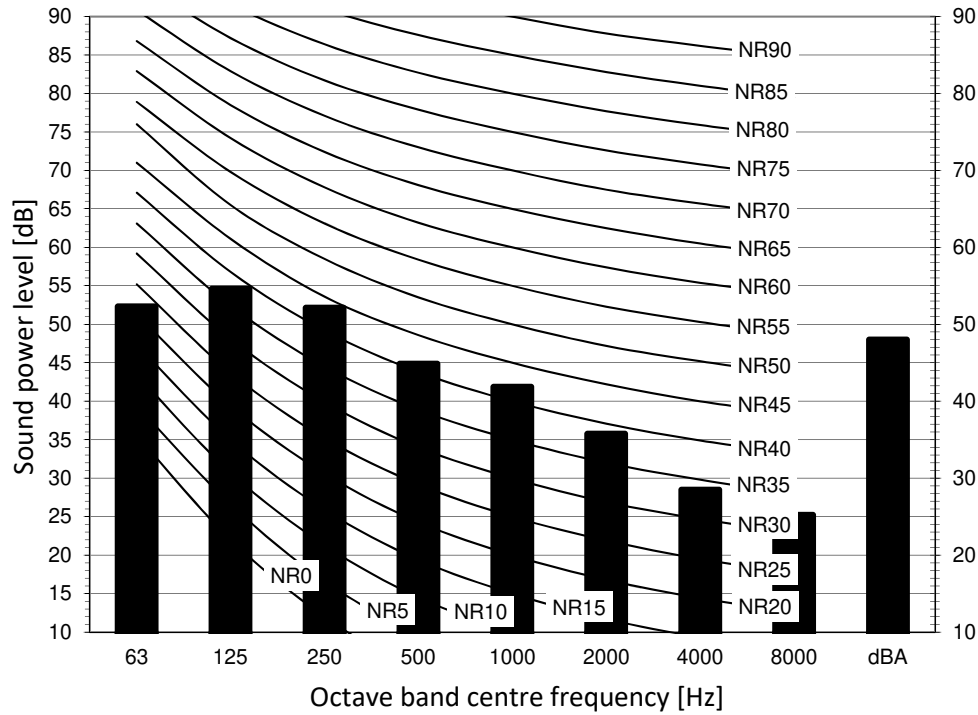


3D128709A

11 Sound data

11 - 1 Sound Power Spectrum

FXDA10A

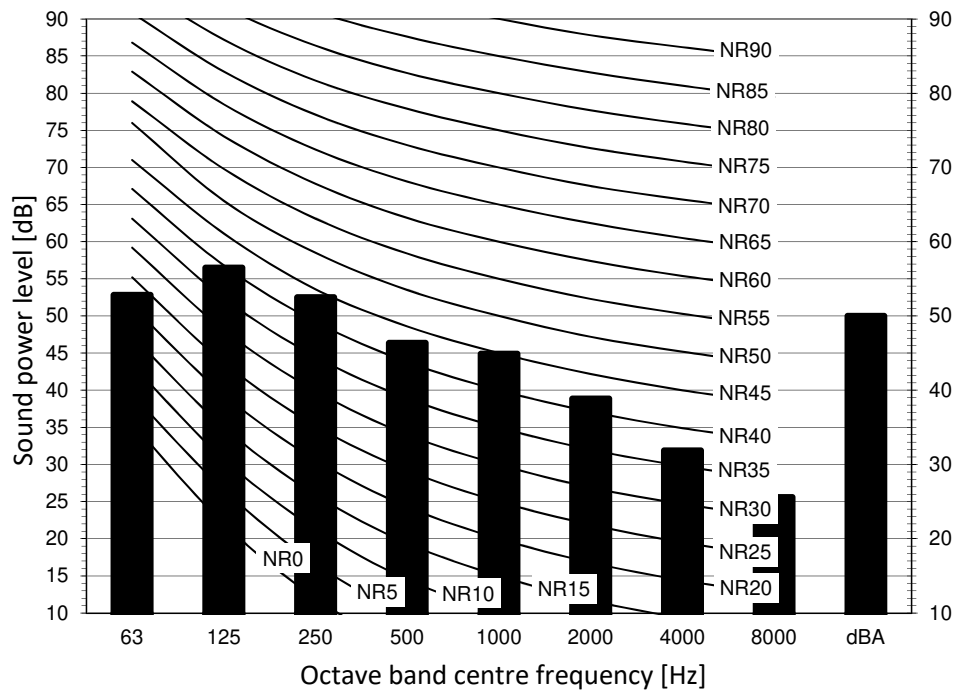


Notes

- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic pressure 0 dB = 10^{-6} W/m²
- 3 Measured according to ISO 3744

4D129503

FXDA15A



Notes

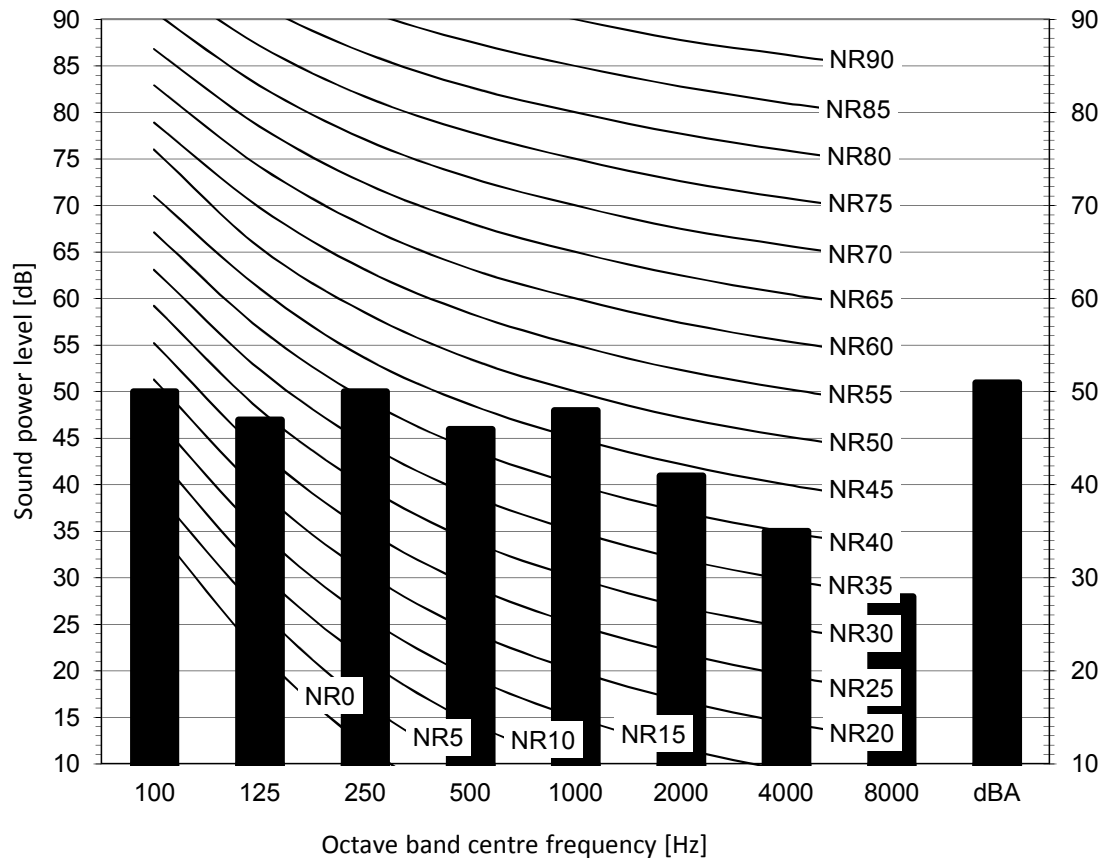
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic pressure 0 dB = 10^{-6} W/m²
- 3 Measured according to ISO 3744

4D129504

11 Sound data

11 - 1 Sound Power Spectrum

FXDA20A



Notes

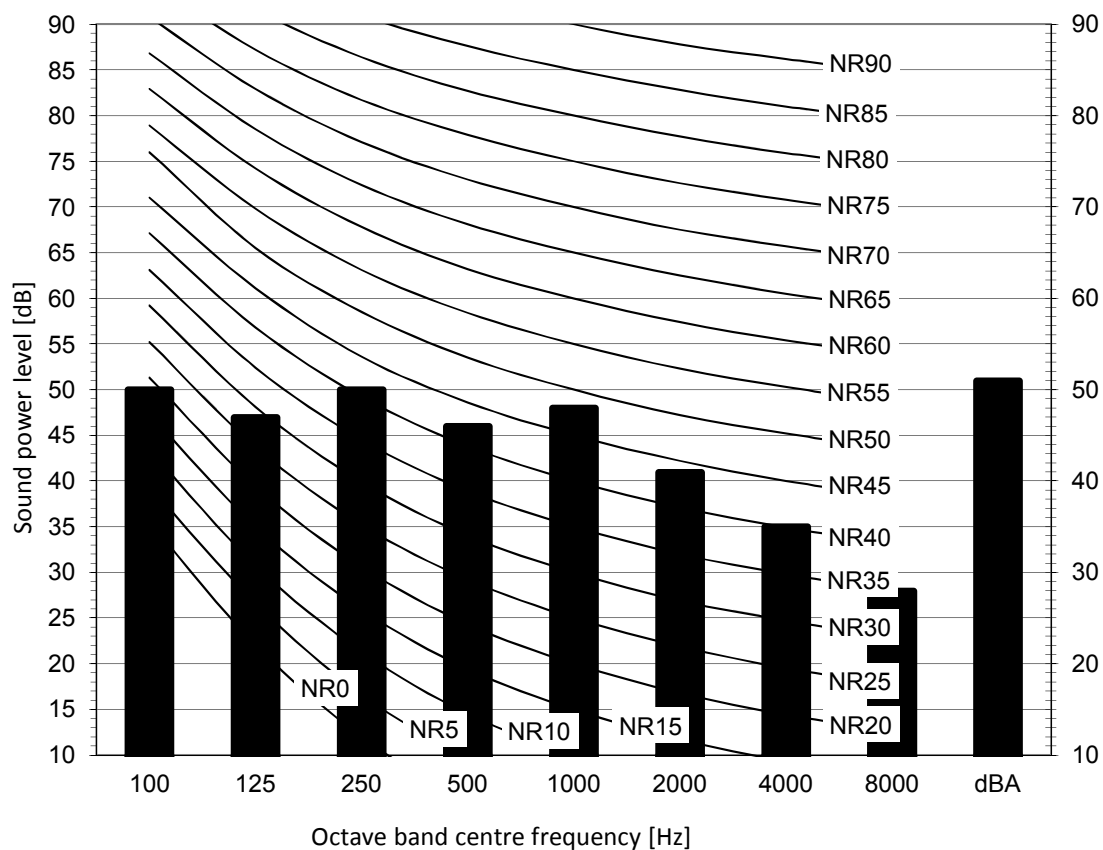
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10^{-6} W/m^2
- 3 Measured according to ISO 3744

4D088132

11 Sound data

11 - 1 Sound Power Spectrum

FXDA25A



Notes

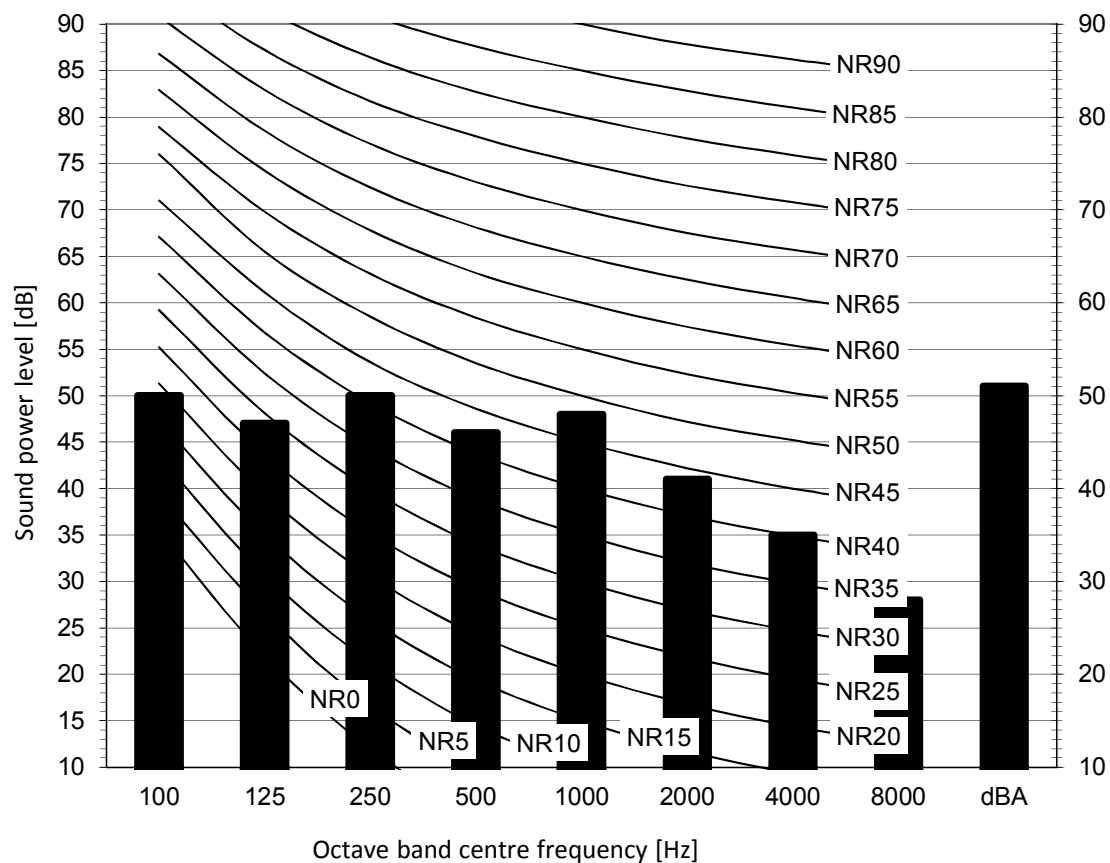
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088133

11 Sound data

11 - 1 Sound Power Spectrum

FXDA32A



Notes

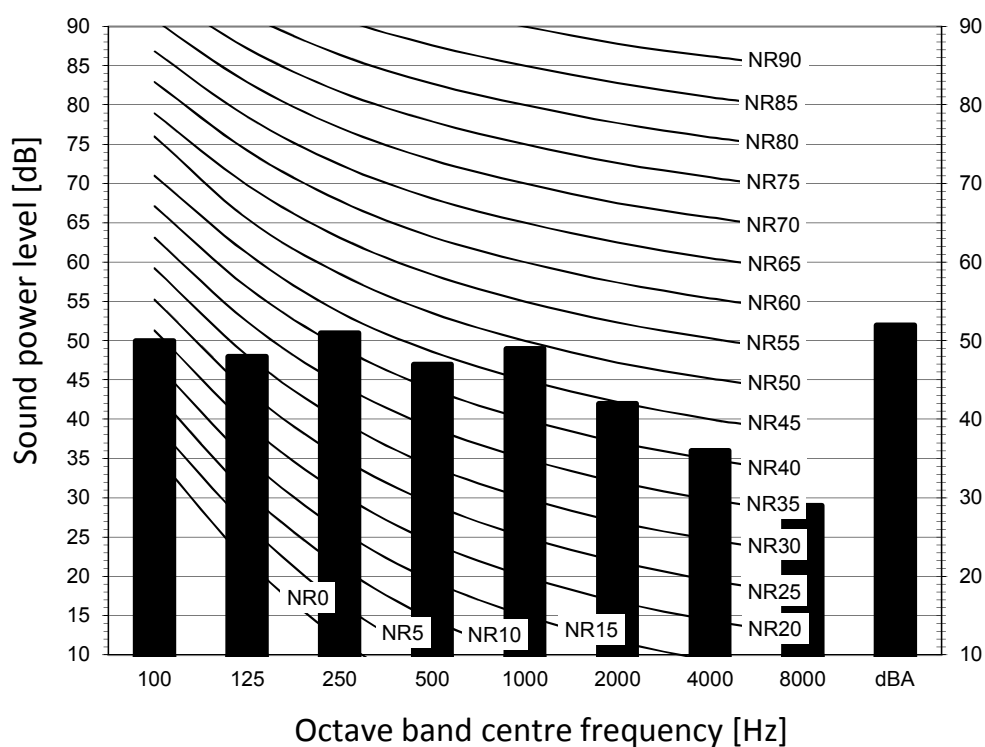
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088134

11 Sound data

11 - 1 Sound Power Spectrum

FXDA40A



Notes

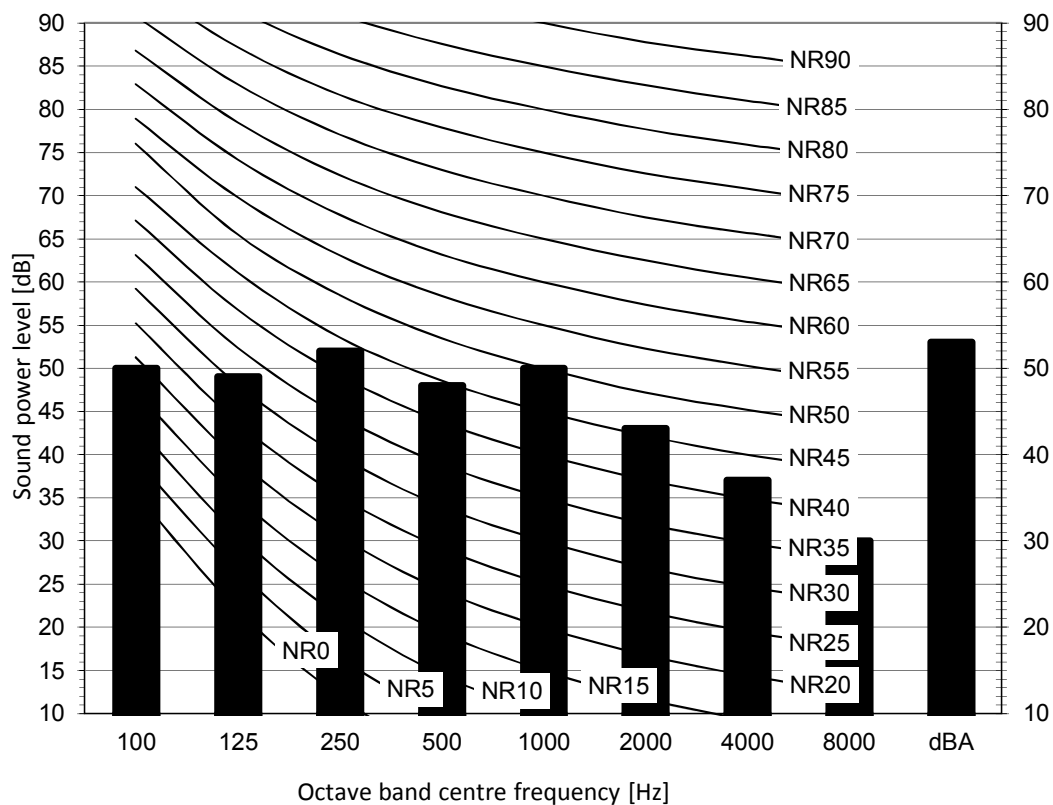
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088135

11 Sound data

11 - 1 Sound Power Spectrum

FXDA50A



Notes

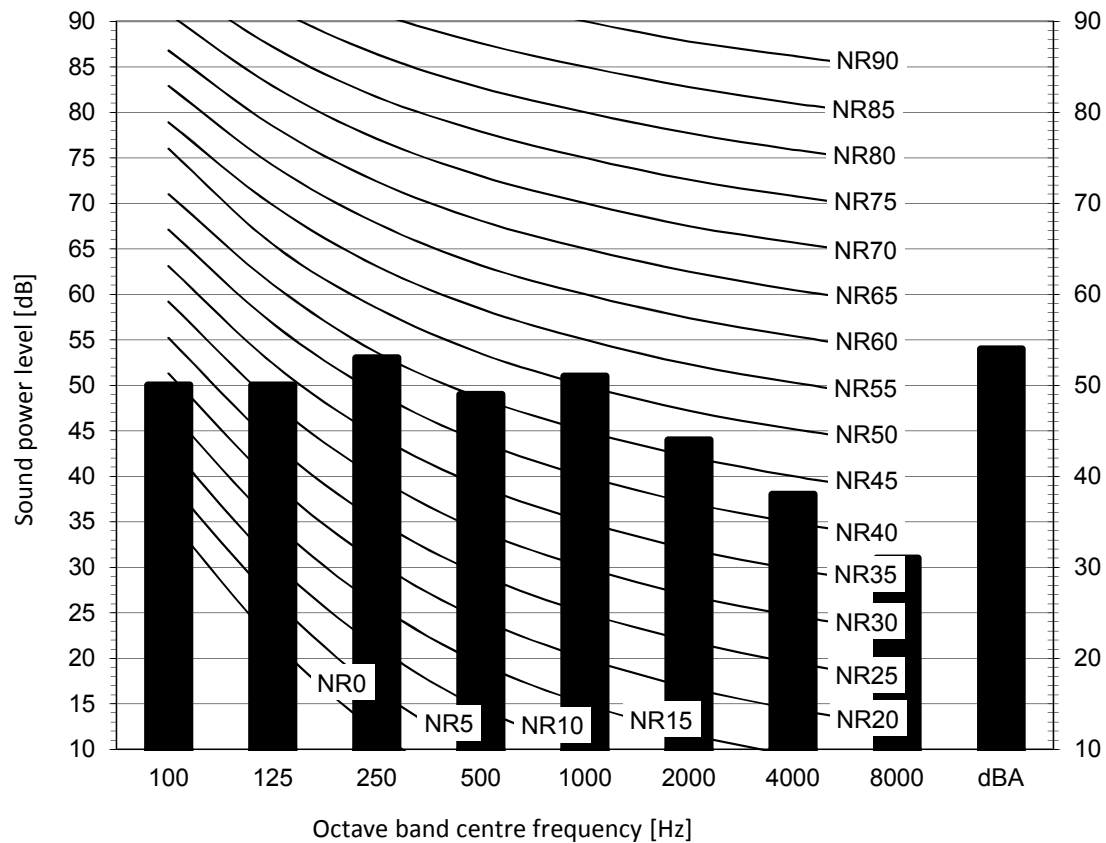
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088136

11 Sound data

11 - 1 Sound Power Spectrum

FXDA63A



Notes

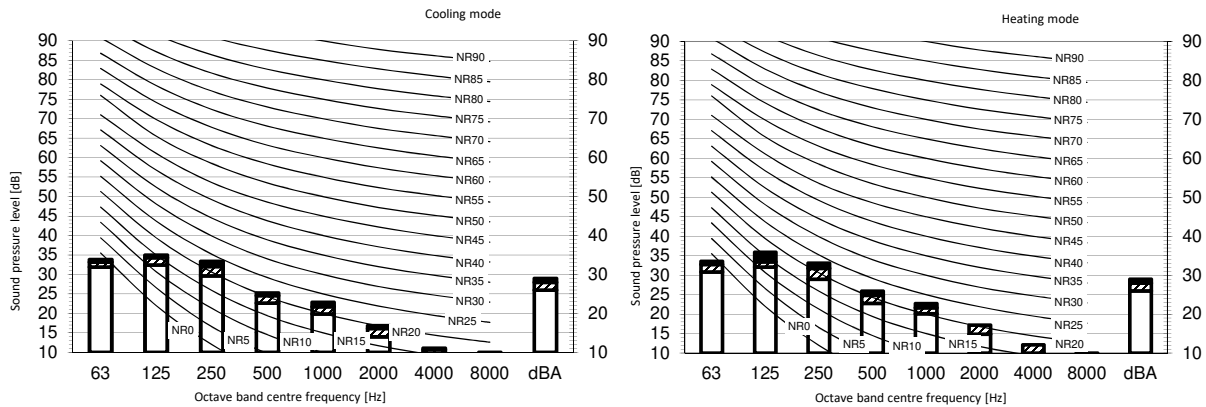
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088137

11 Sound data

11 - 2 Sound Pressure Spectrum

FXDA10A

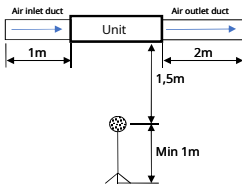


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling Total dB			
A	B	C	D
dBA	29,0	28,0	26,0

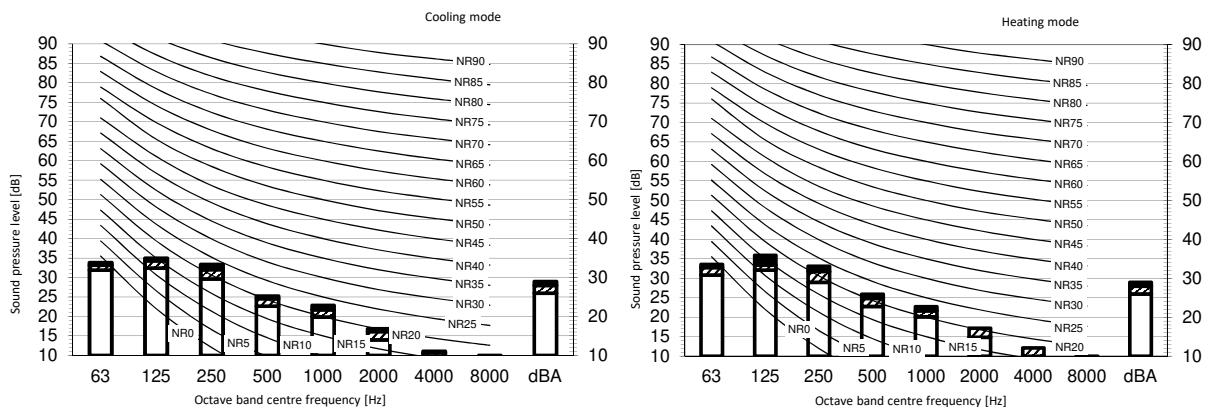
Heating Total dB			
A	B	C	D
dBA	29,0	28,0	26,0

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

3D129500

FXDA15A

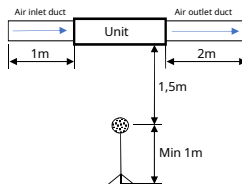


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling Total dB			
A	B	C	D
dBA	29,0	28,0	26,0

Heating Total dB			
A	B	C	D
dBA	29,0	28,0	26,0

Notes

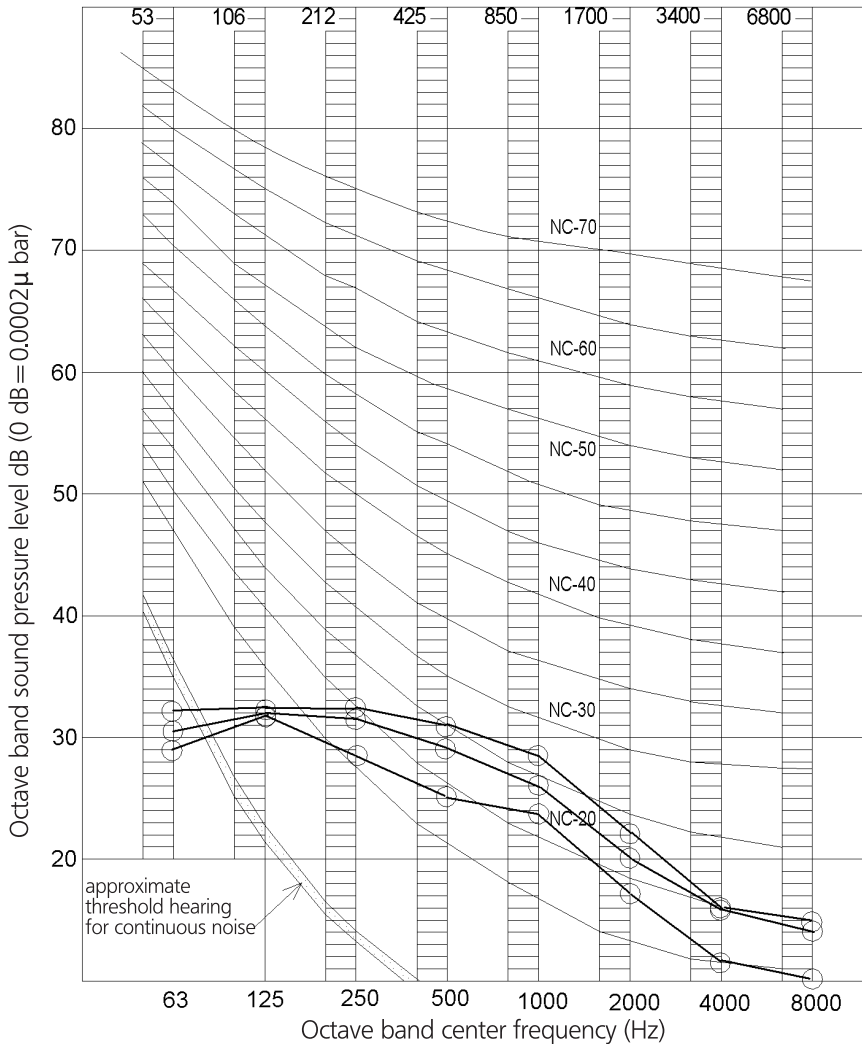
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D129501

11 Sound data

11 - 2 Sound Pressure Spectrum

FXDA20A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	33	31	27

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 10Pa.

5 Operating conditions:

Power source 220-240V/50Hz, 220V/60Hz

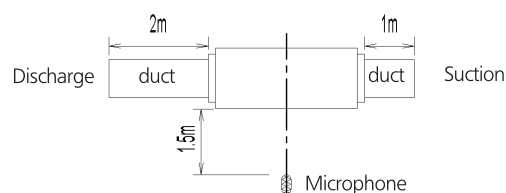
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

Heating: Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

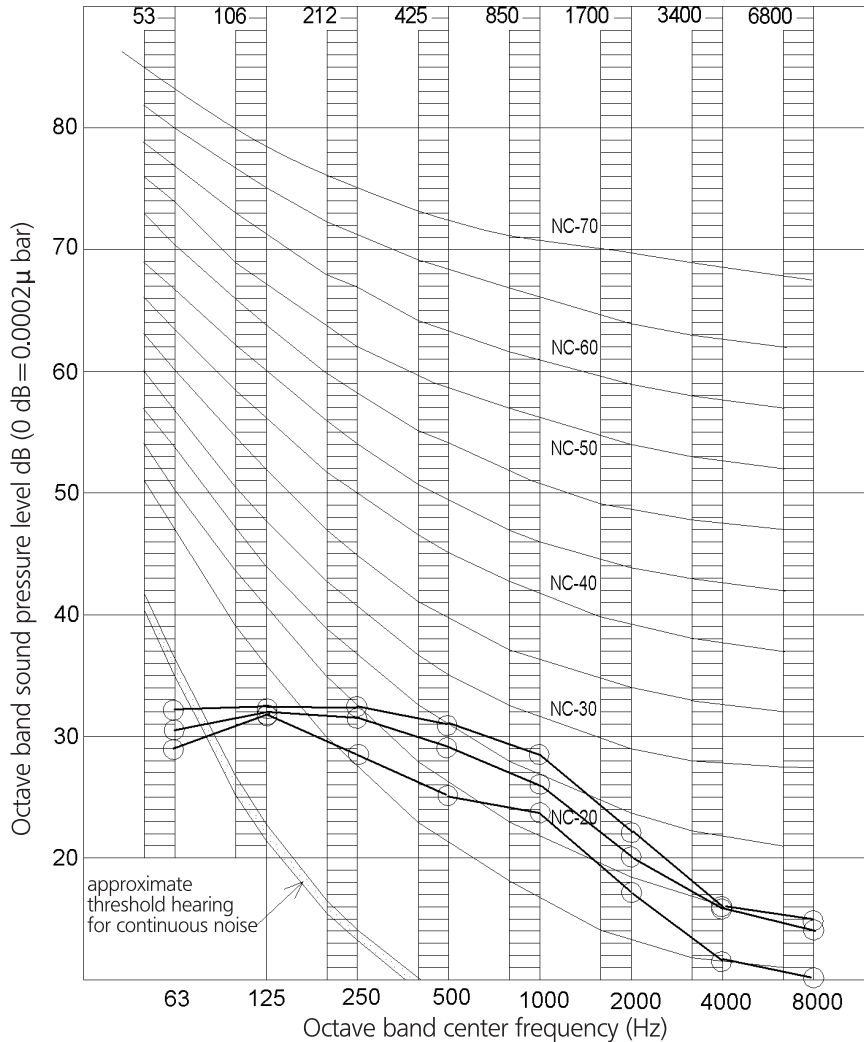


4D081439

11 Sound data

11 - 2 Sound Pressure Spectrum

FXDA25A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	33	31	27

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 10Pa.

5 Operating conditions:

Power source 220-240V/50Hz, 220V/60Hz

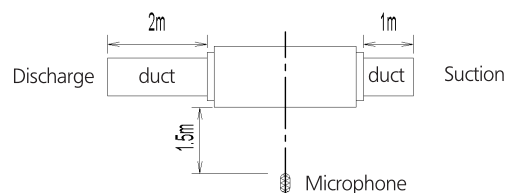
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

Heating: Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



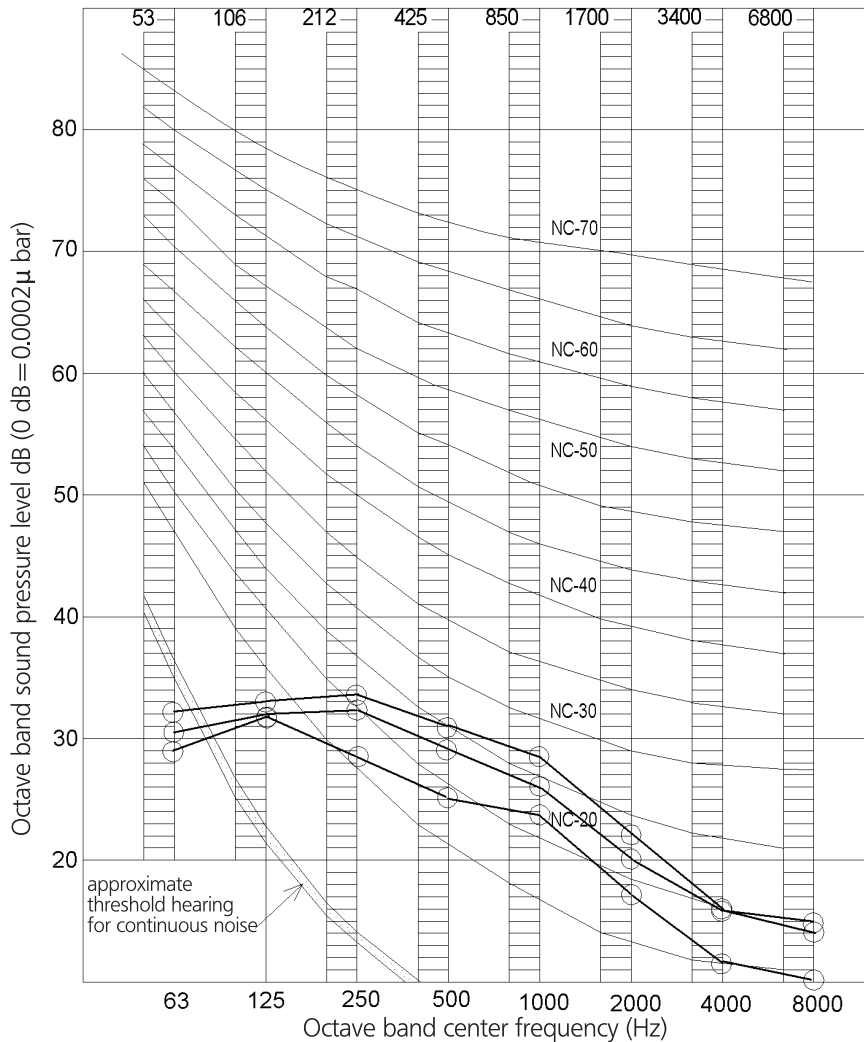
4D081440

11 Sound data

11 - 2 Sound Pressure Spectrum

11

FXDA32A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	33	31	27

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 10Pa.

5 Operating conditions:

Power source 220-240V/50Hz, 220V/60Hz

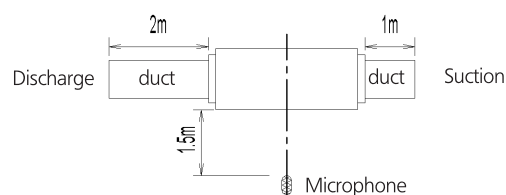
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

Heating: Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

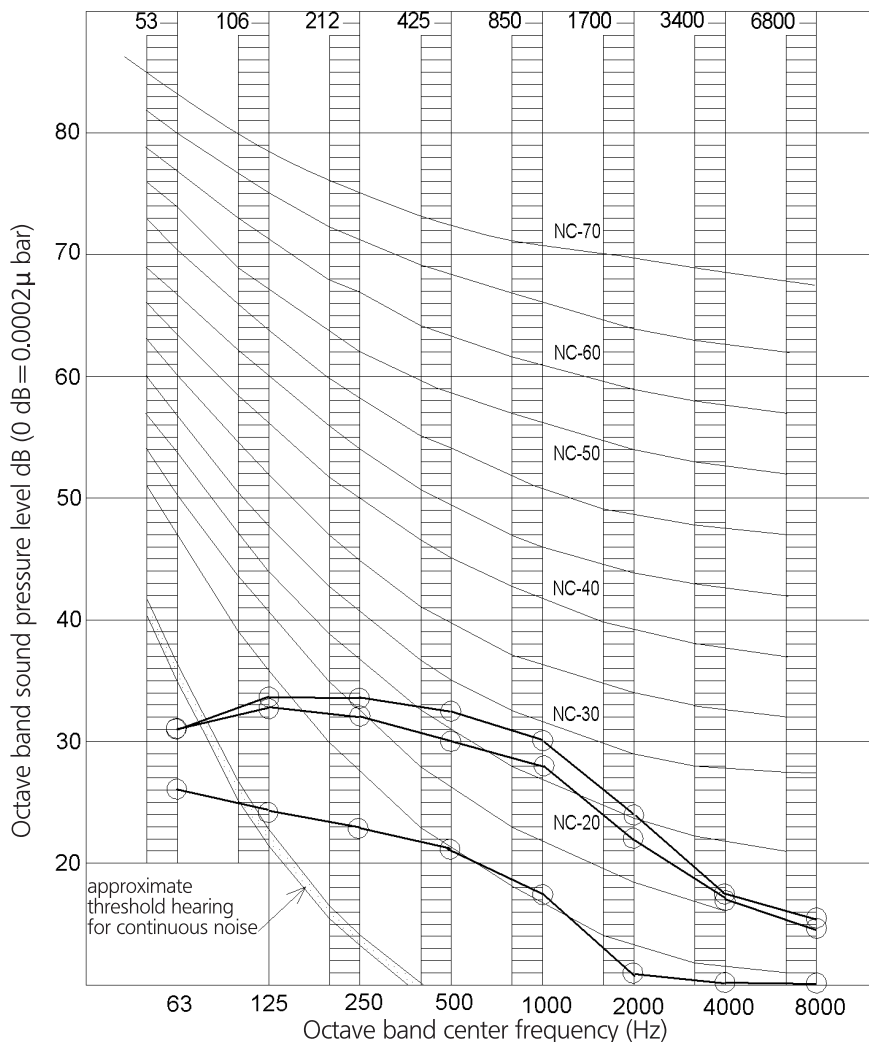


4D081442

11 Sound data

11 - 2 Sound Pressure Spectrum

FXDA40A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	34	32	28

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber

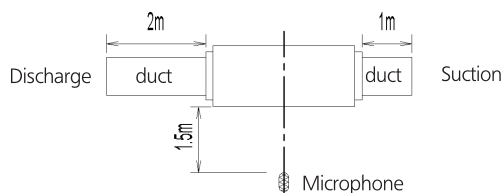
3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 15Pa.

5 Operating conditions:

Power source 220-240V/50Hz, 220V/60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



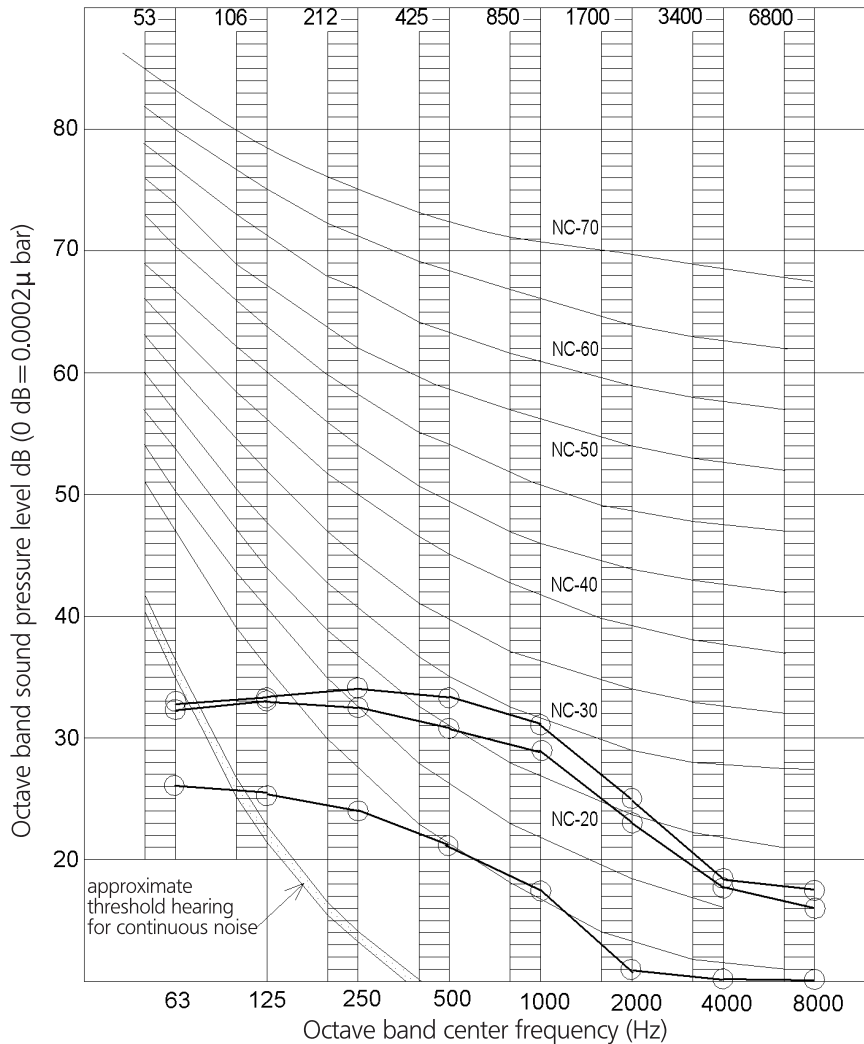
4D081443

11 Sound data

11 - 2 Sound Pressure Spectrum

FXDA50A

11



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	35	33	29

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 15Pa.

5 Operating conditions:

Power source 220-240V/50Hz, 220V/60Hz

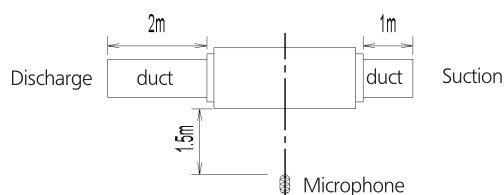
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

Heating: Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

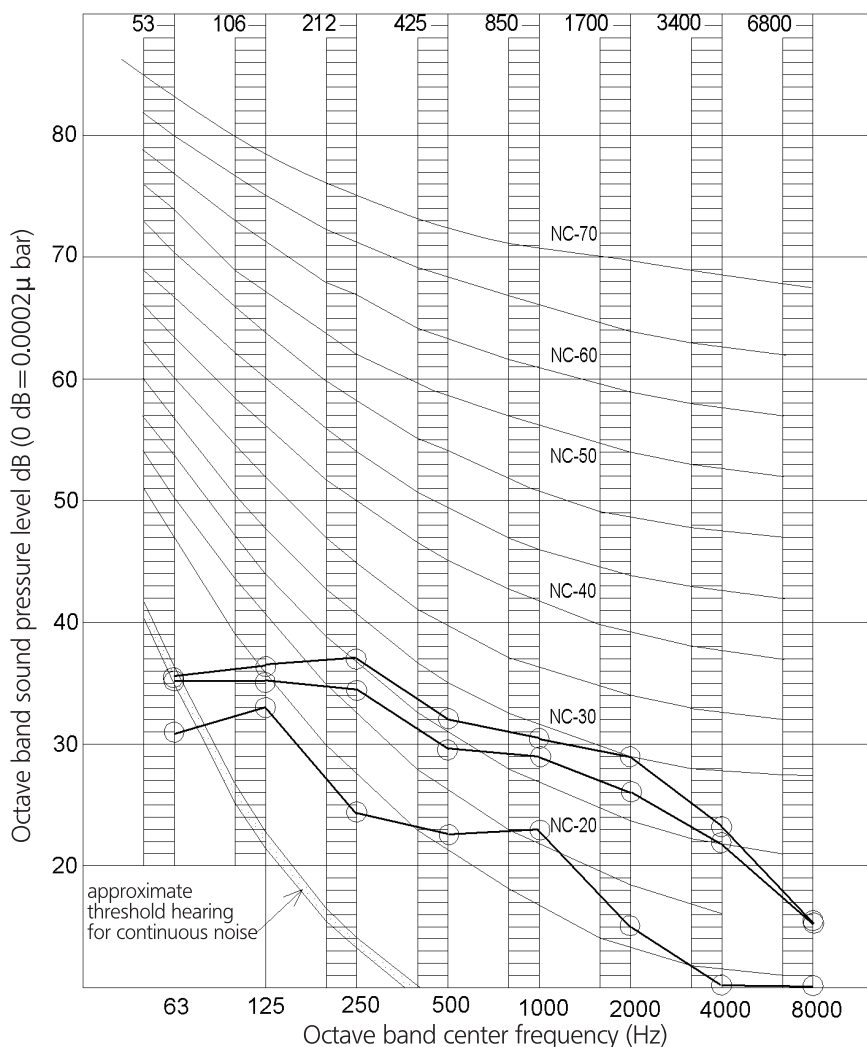


4D081444

11 Sound data

11 - 2 Sound Pressure Spectrum

FXDA63A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	36	34	30

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 15Pa.

5 Operating conditions:

Power source 220-240V/50Hz, 220V/60Hz

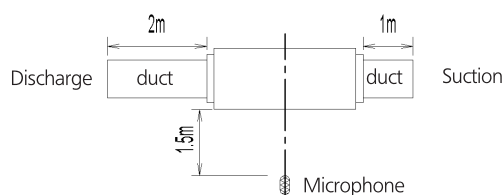
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

Heating: Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

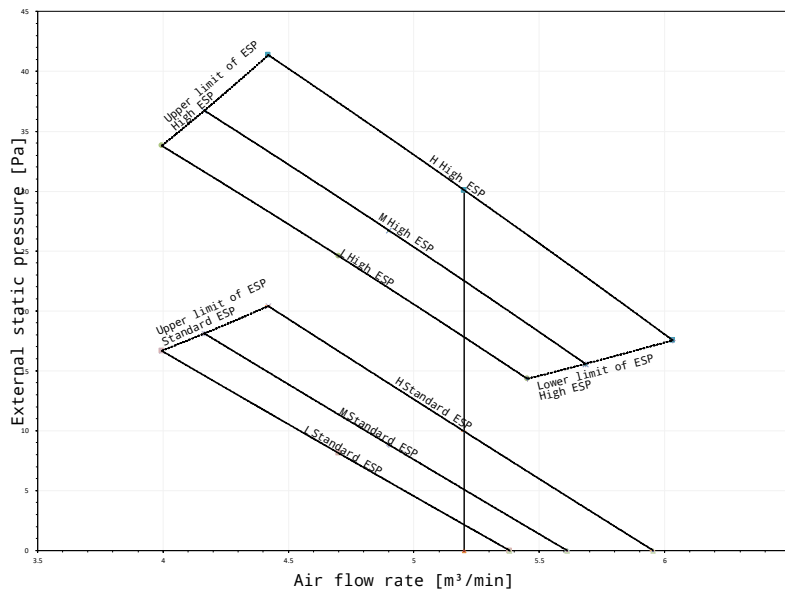


4D081445

12 Fan characteristics

12 - 1 Fan Characteristics

FXDA10A

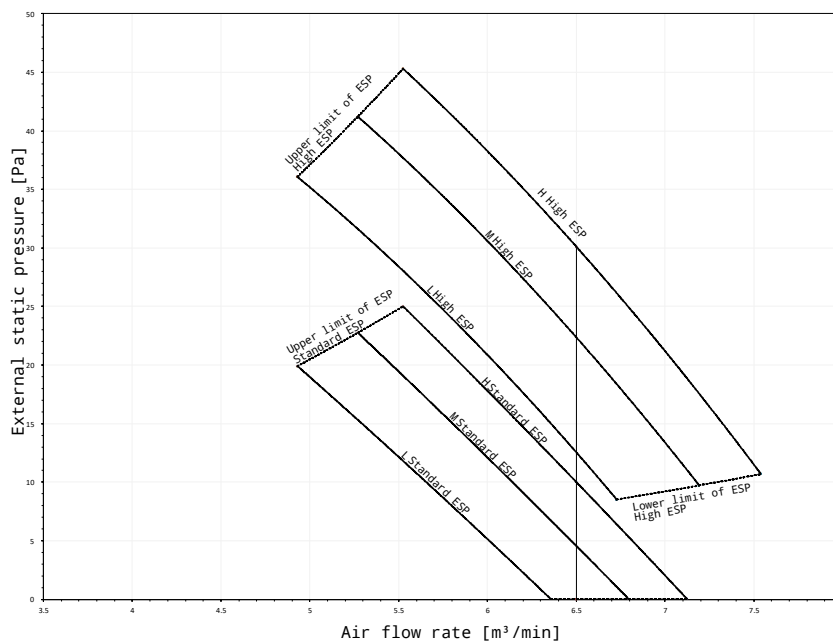


Notes

- 1.The fan characteristics shown are in "fan only" mode.
- 2.ESP: External Static Pressure
- 3.The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D129552

FXDA15A



Notes

- 1.The fan characteristics shown are in "fan only" mode.
- 2.ESP: External Static Pressure
- 3.The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

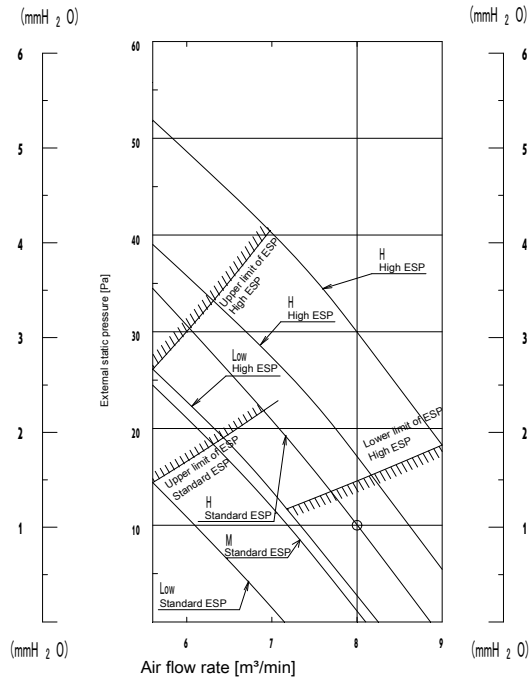
3D129553

12 Fan characteristics

12 - 1 Fan Characteristics

12

FXDA20-25A



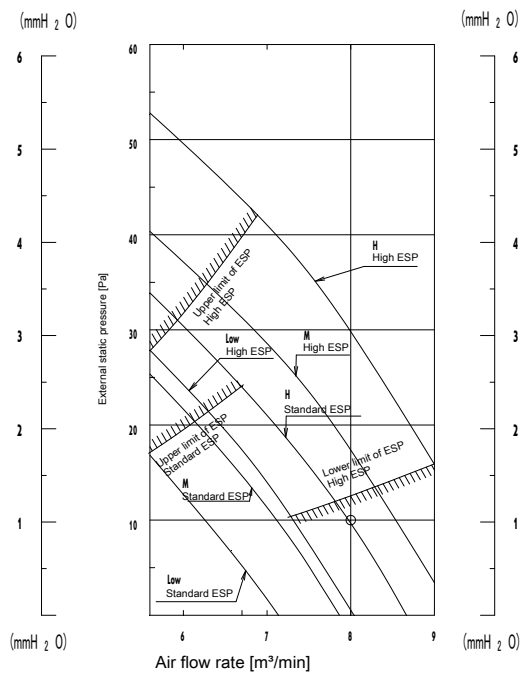
Notes

The remote controller can be used to switch between 'high' and 'low'.

6 The air flow is factory-set to 'standard'. It is possible to switch between 'standard ES P' and 'high ESP' by remote controller setting.

3D086736B

FXDA32A



Notes

The remote controller can be used to switch between 'high' and 'low'.

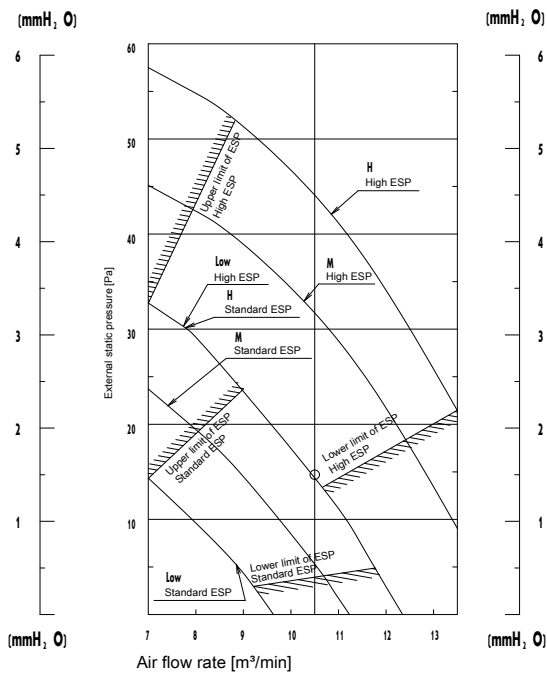
The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081425C

12 Fan characteristics

12 - 1 Fan Characteristics

FXDA40A

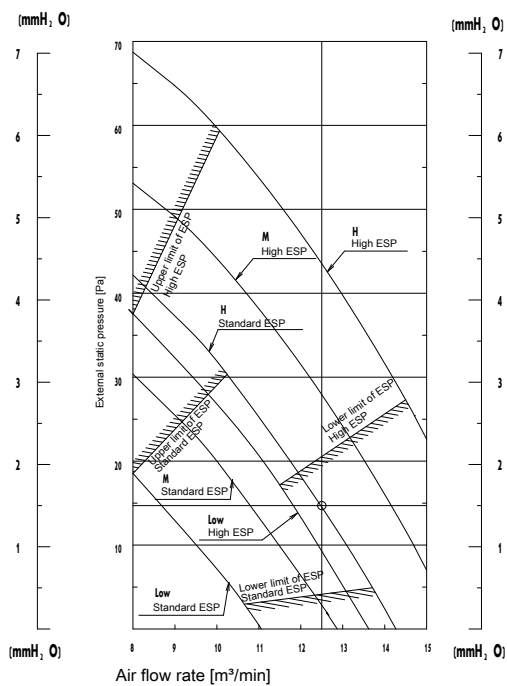


Notes

- The remote controller can be used to switch between 'high' and 'low'.
- The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081426C

FXDA50A



Notes

- The remote controller can be used to switch between 'high' and 'low'.
- The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

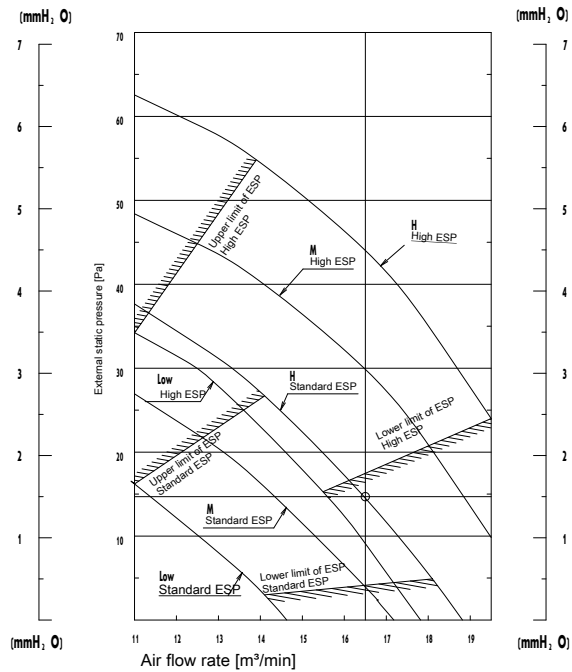
3D081427C

12 Fan characteristics

12 - 1 Fan Characteristics

FXDA63A

12

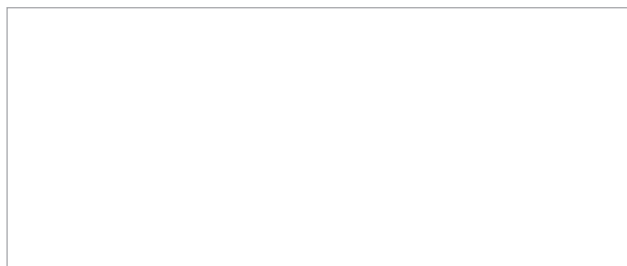


Notes

The remote controller can be used to switch between 'high' and 'low'.

The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081429C



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07/2020



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Технические данные файла

Документ: Технические характеристики Daikin FXDA-A

Идентификатор библиотеки: LIB-002376

Исходный файл: daikin-fxda-a-tehnicheskie-harakteristiki.pdf

SHA-256 оригинала: 76fdb2a0bc84882f739a96243051463a383be2084fced9d644c5754baa716f4f

Постоянная ссылка: <https://iclim.ru/library/daikin-fxda-a-tehnicheskie-harakteristiki.pdf>

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