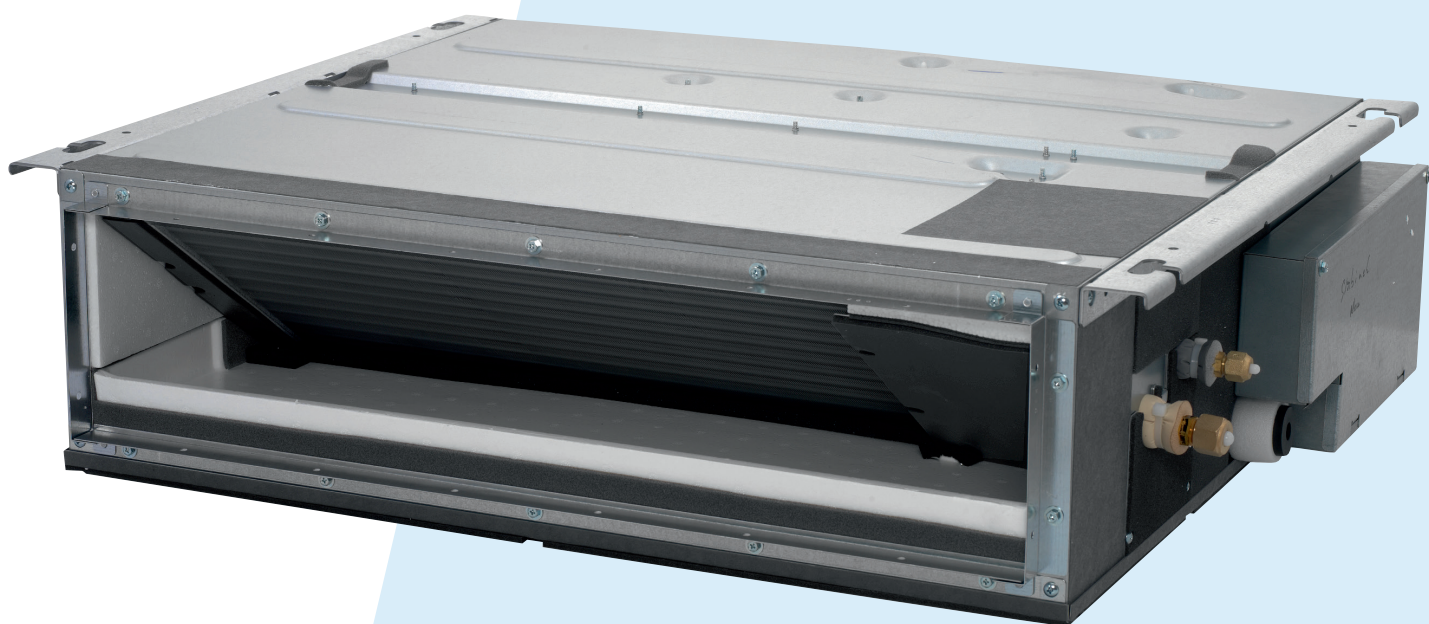


Slim concealed ceiling unit

Air Conditioning Technical Data

FXDA-A



FXDA10A2VEB
FXDA15A2VEB
FXDA20A2VEB
FXDA25A2VEB
FXDA32A2VEB
FXDA40A2VEB
FXDA50A2VEB
FXDA63A2VEB

TABLE OF CONTENTS

FXDA-A

1	Features	4
	FXDA-A	4
2	Specifications	5
3	Safety device settings	9
4	Options	10
5	Capacity tables	11
	Cooling Capacity Tables	11
	Heating Capacity Tables	12
6	Dimensional drawings	13
7	Centre of gravity	15
8	Piping diagrams	18
9	Wiring diagrams	19
	Wiring Diagrams - Single Phase	19
10	Sound data	20
	Sound Power Spectrum	20
	Sound Pressure Spectrum	27
11	Fan characteristics	34

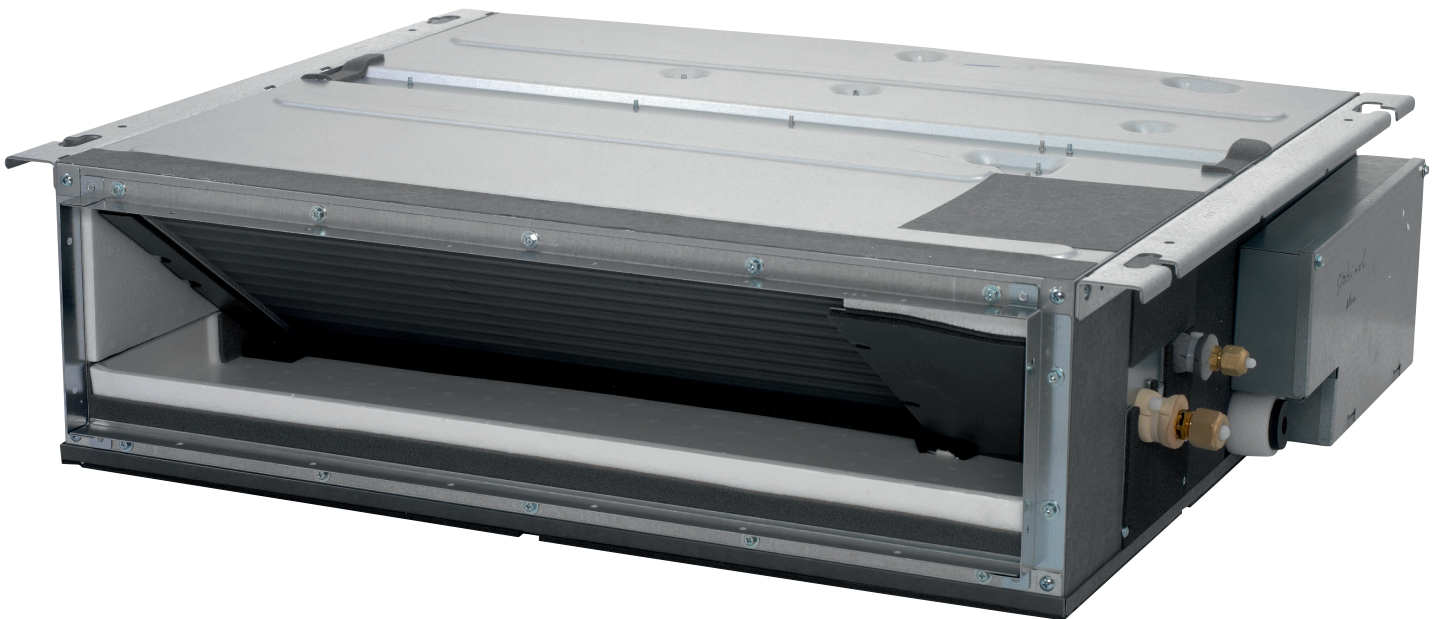
1 Features

1 - 1 FXDA-A

Slim design for flexible installation

1

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



Onecta app (optional)



Home leave operation



Fan only



Auto-cleaning filter



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

2 - 1 Specifications

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	0.026 (1)	0.035 (1)	0.030 (1)		0.035 (1)	0.038 (1)	
		At medium fan speed	kW	0.024 (1)	0.032 (1)	0.025 (1)		0.030 (1)	0.031 (1)	
		At low fan speed	kW	0.023 (1)	0.030 (1)	0.021 (1)		0.025 (1)		
	Heating	At high fan speed	kW	0.026 (1)	0.035 (1)	0.030 (1)		0.035 (1)	0.038 (1)	
		At medium fan speed	kW	0.024 (1)	0.032 (1)	0.025 (1)		0.030 (1)	0.031 (1)	
		At low fan speed	kW	0.023 (1)	0.030 (1)	0.021 (1)		0.025 (1)		
Power input - 60Hz	Cooling	At high fan speed	kW	0.026 (1)	0.035 (1)	0.030 (1)		0.035 (1)	0.038 (1)	
	Heating	At high fan speed	kW	0.026 (1)	0.035 (1)	0.030 (1)		0.035 (1)	0.038 (1)	
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		23			26.5		
	Packed unit	kg	25		26			29		
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	1.5							
	Passes	Quantity	1		3		6			
	Face area	m²	0.063		0.126			0.176		
Heat exchanger	Stages	Quantity	6		12					
	Empty tubeplate hole	Quantity	0					4	0	
	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	
	External static pres- sure - 50Hz	Factory set	Pa	10					15	
High		Pa	30					44		
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	
Refrigerant	Type	R-32								
	GWP	675								
	Control	Electronic expansion valve								

2 Specifications

2 - 1 Specifications

2

Technical specifications				FXDA10A	FXDA15A	FXDA20A	FXDA25A	FXDA32A	FXDA40A
Piping connections	Liquid	Type		Flare connection					
		OD	mm	6					
	Gas	Type		Flare connection					
		OD	mm	9.52					
	Drain			VP20 (I.D. 20/O.D. 26)					
Piping connections	Heat insulation			Both liquid and gas pipes					
Drain-up height				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			BRC4C6S					
	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	0.049 (1)		0.058 (1)	
		At medium fan speed	kW	0.039 (1)		0.046 (1)	
		At low fan speed	kW	0.031 (1)		0.035 (1)	
	Heating	At high fan speed	kW	0.049 (1)		0.058 (1)	
		At medium fan speed	kW	0.039 (1)		0.046 (1)	
		At low fan speed	kW	0.031 (1)		0.035 (1)	
Power input - 60Hz	Cooling	At high fan speed	kW	0.049 (1)		0.058 (1)	
	Heating	At high fan speed	kW	0.049 (1)		0.058 (1)	
Dimensions	Unit	Height	mm	200			
		Width	mm	950			
		Depth	mm	620			
	Packed unit	Height	mm	260			
		Width	mm	1,122			
		Depth	mm	768			
Weight	Unit		kg	26.5		30.5	
	Packed unit		kg	29		33	
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		1.5		
	Passes	Quantity			6		
	Face area		m ²	0.176		0.227	
Heat exchanger	Stages	Quantity			12		
	Empty tubeplate hole	Quantity			0		
	Tube type			ø7 Hi-XD			
	Fin	Type		Symmetric waffle louver			

2 Specifications

2 - 1 Specifications

Technical specifications				FXDA50A		FXDA63A	
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	
			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	
	External static pres- sure - 50Hz	Factory set	Pa	15			
		High	Pa	44			
Sound power level	Cooling	At high fan speed	dBA	53		54	
Sound pressure level	Cooling	At high fan speed	dBA	35.0		36.0	
		At medium fan speed	dBA	33.0		34.0	
		At low fan speed	dBA	29.0		30.0	
	Heating	At high fan speed	dBA	35.0		36.0	
		At medium fan speed	dBA	33.0		34.0	
		At low fan speed	dBA	29.0		30.0	
Fan motor	Quantity			1			
	Output	Max	W	65			
Refrigerant	Type			R-32			
	GWP			675			
	Control			Electronic expansion valve			
Piping connections	Liquid	Type	Flare connection				
		OD	mm	6			
	Gas	Type	Flare connection				
		OD	mm	12.7			
	Drain	VP20 (I.D. 20/O.D. 26)					
Piping connections	Heat insulation			Both liquid and gas pipes			
Drain-up height				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			BRC1HS2W/S/K			

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

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

Standard accessories: Clamps;Quantity: 12;

Standard accessories: Drain hose;Quantity: 1;

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

Standard accessories: Insulation for fitting;Quantity: 2;

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

Standard accessories: Screws;Quantity: 26;

Standard accessories: Sealing material;Quantity: 2;

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			

2 Specifications

2 - 1 Specifications

Electrical specifications			FXDA50A	FXDA63A
Current - 50Hz	Minimum circuit amps (MCA)	A	0.6	
	Maximum fuse amps (MFA)	A	6	
	Full load amps (FLA) Total	A	0.5	
Current - 60Hz	Minimum circuit amps (MCA)	A	0.6	
	Maximum fuse amps (MFA)	A	6	
	Full load amps (FLA) Total	A	0.5	

(1)Values are valid for the factory setting. |

(2)Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m |

(3)Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m |

(4)Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat. |

(5)External static pressure is changeable to set by the remote control (from standard to high, see installation manual) |

(6)Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits. |

(7)Maximum allowable voltage range variation between phases is 2%. |

(8)MCA/MFA: MCA = 1.1 x FLA |

(9)Instead of a fuse, use a circuit breaker |

(10)Select wire size based on the value of MCA |

(11)Contains fluorinated greenhouse gases

3 Safety device settings

3 - 1 Safety Device Settings

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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4 Options

4 - 1 Options

FXDA-A

Option Kit	Product Name	FXDA10-32A2VEB	FXDA40-50A2VEB	FXDA63A2VEB
Wireless remote control	BRC4C65 ②	✓	✓	✓
WLAN adaptor for smartphones	BRP069C51 ②	✓	✓	✓
Wired remote control	BRC1H52/82W7/S7/K7 ⑨	✓	✓	✓
Intelligent Tablet Controller	DCC601A51 ②	✓	✓	✓
Intelligent touch controller	DCS601C51 ②⑩	✓	✓	✓
Central remote control	DCS302CA51 ②⑤⑪	✓	✓	✓
	DCS302CA61 ②⑤⑧	✓	✓	✓
	DCS301BA51 ②⑥⑪	✓	✓	✓
Unified ON/OFF controller	DCS301BA61 ②⑥⑧	✓	✓	✓
Intelligent Touch Manager	DCM601B51 ②	✓	✓	✓
Auto cleaning filter - Small	BAE20A62	✓	✗	✗
Auto cleaning filter - Medium	BAE20A82	✗	✓	✗
Auto cleaning filter - Large	BAE20A102	✗	✗	✓
External wired temperature sensor	KRC501-6B	✓	✓	✓
Wire harness for external wireless temperature sensor	EKEWTSC-1 ③	✓	✓	✓
Adapter with -2- output signals	ERP02A50 ①	✓	✓	✓
Adapter with -4- output signals	EKR1C14 ①	✓	✓	✓
Adapter for centralised external monitoring/ control via dry contacts and setpoint control via 0--140-Ω (for dedicated indoors)	KRP4A54-9 ①	✓	✓	✓
Adapter for external central monitoring/control (controls 1 entire system)	KRP2A53 ①	✓	✓	✓
Adapter for keycard and/or window contact connection	BRP7A54 ①②	✓	✓	✓
Adaptor for multi-tenant applications	DTA114A61-9 ①④⑦	✓	✓	✓
External adaptor for outdoor unit (installation on indoor unit)	DTA104A53 ①⑪	✓	✓	✓
Installation box for adaptor PCB	KRP18C101	✓	✓	✓
Electrical box with earth terminal (-2- blocks)	KJB212AA	✓	✓	✓
Electrical box with earth terminal (-3- blocks)	KJB311AA	✓	✓	✓
Electrical box with earth terminal (-4- blocks)	KJB411A	✓	✓	✓
Optional output PCB	ERP01A51 ①	✓	✓	✓

Notes

- ① Requires installation box for adaptor PCB -KRP18C101-.
- ② Only possible in combination with remote control -BRC1H52/82-.
- 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 Option cannot be combined with -BAE20A62 / BAE20A82 / BAE20A102-.
- ⑤ Requires installation box -KJB311AA-.
- ⑥ Requires installation box -KJB212AA-.
- ⑦ This option cannot be combined with -RXYS4/5/6A7V1B- or -RXYS4/5/6A7Y1B-.
- ⑧ Language pack -English-
- ⑨ Mandatory option
- ⑩ Requires installation box -KJB411A-.
- ⑪ Language pack -English, German, French, Dutch, Spanish, Italian, Greek, Portuguese-

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5 Capacity tables

5 - 1 Cooling Capacity Tables

FXDA-A

Unit size		Fan speed		Indoor air temperature													
				14,0 [°C WB]		16,0 [°C WB]		18,0 [°C WB]		19,0 [°C WB]		20,0 [°C WB]		22,0 [°C WB]		24,0 [°C WB]	
				20,0 [°C DB]		23,0 [°C DB]		26,0 [°C DB]		27,0 [°C DB]		28,0 [°C DB]		30,0 [°C DB]		32,0 [°C DB]	
TC	SHC	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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5 Capacity tables

5 - 2 Heating Capacity Tables

FXDA-A

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	High	1,5	1,4	1,3	1,2	1,2	1,1
	Medium	Correction factor -0.92 × H-					
	Low	Correction factor -0.88 × H-					
15	High	2,2	2,1	1,9	1,8	1,7	1,6
	Medium	Correction factor -0.84 × H-					
	Low	Correction factor -0.79 × H-					
20	High	2,9	2,7	2,5	2,4	2,3	2,1
	Medium	Correction factor -0.84 × H-					
	Low	Correction factor -0.72 × H-					
25	High	3,7	3,5	3,2	3,1	2,9	2,7
	Medium	Correction factor -0.84 × H-					
	Low	Correction factor -0.72 × H-					
32	High	4,7	4,3	4,0	3,8	3,7	3,3
	Medium	Correction factor -0.85 × H-					
	Low	Correction factor -0.73 × H-					
40	High	5,8	5,4	5,0	4,8	4,6	4,2
	Medium	Correction factor -0.84 × H-					
	Low	Correction factor -0.72 × H-					
50	High	7,4	6,8	6,3	6,0	5,8	5,3
	Medium	Correction factor -0.81 × H-					
	Low	Correction factor -0.65 × H-					
63	High	9,3	8,7	8,0	7,7	7,3	6,7
	Medium	Correction factor -0.79 × H-					
	Low	Correction factor -0.63 × H-					

Notes

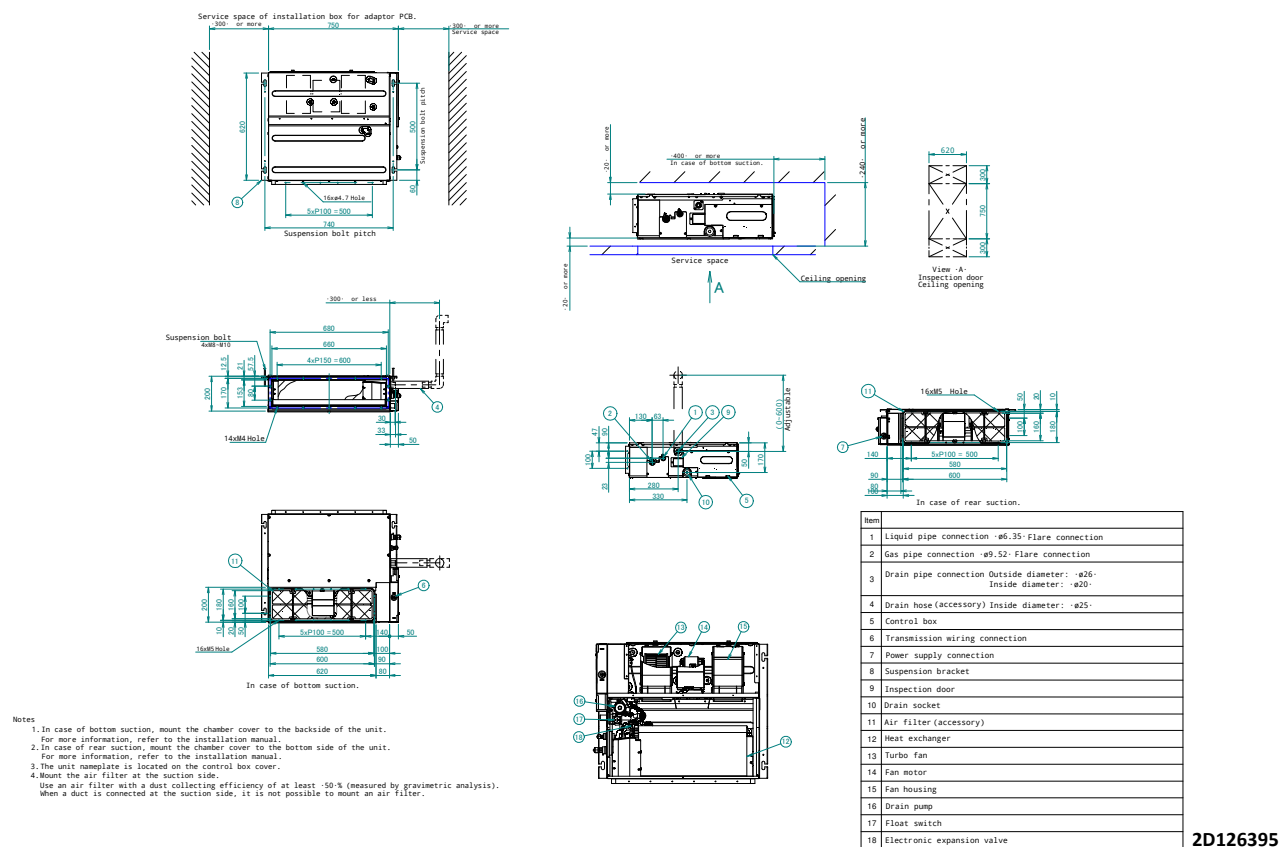
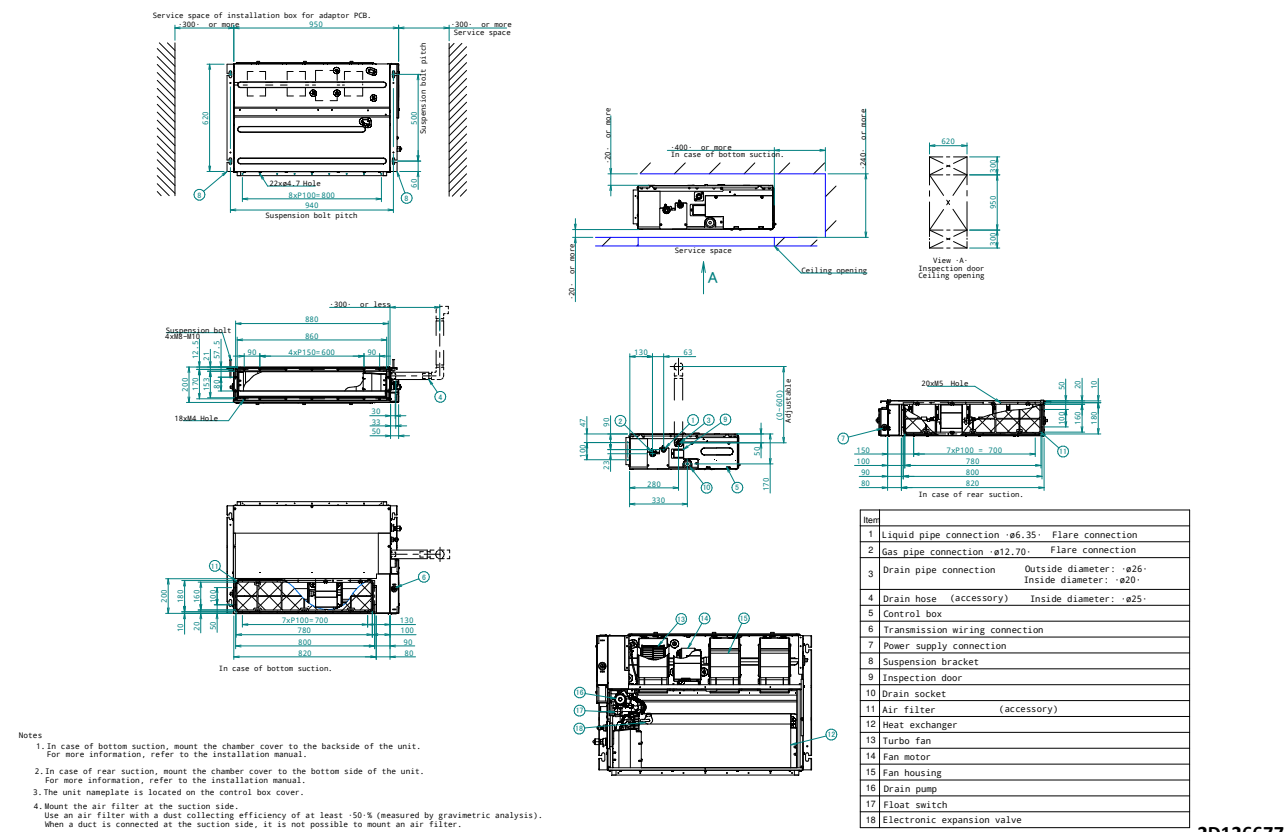
- 1) TC: Total capacity [kW]
- 2) Outdoor temperature -7°C DB / -6°C WB

3D129395A

6 Dimensional drawings

6 - 1 Dimensional Drawings

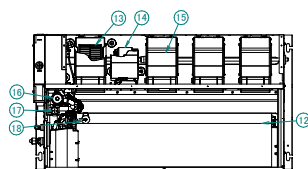
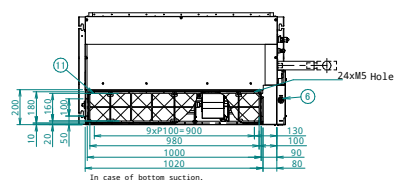
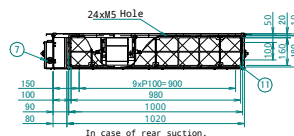
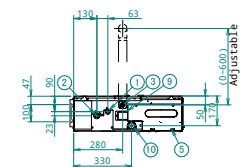
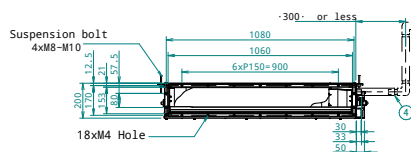
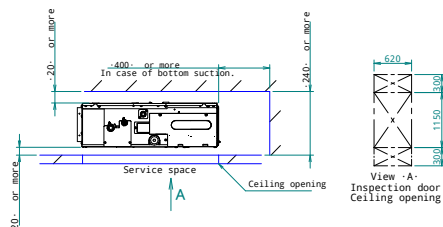
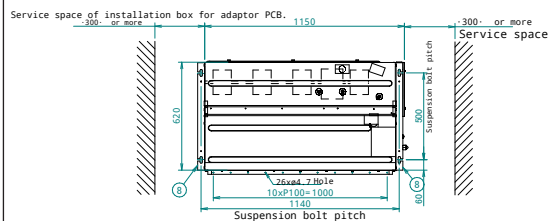
FXDA10-32A

FXDA40A
FXDA50A

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXDA63A



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.

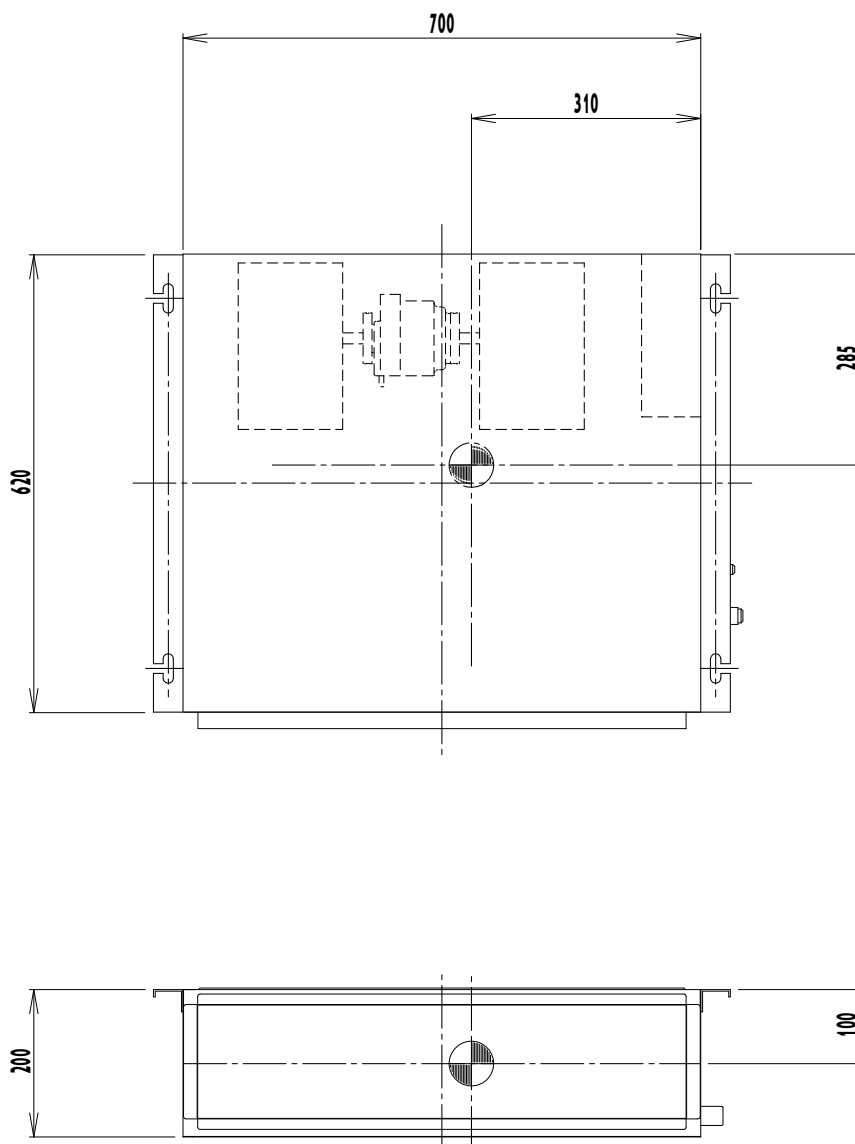
Item		
1	Liquid pipe connection -ø6.35-	Flare connection
2	Gas pipe connection -ø12.70-	Flare connection
3	Drain pipe connection	Outside diameter: -ø26- Inside diameter: -ø20-
4	Drain hose (accessory)	Inside diameter: -ø25
5	Control box	
6	Transmission wiring connection	
7	Power supply connection	
8	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	

2D126592

7 Centre of gravity

7 - 1 Centre of Gravity

FXDA10-32A

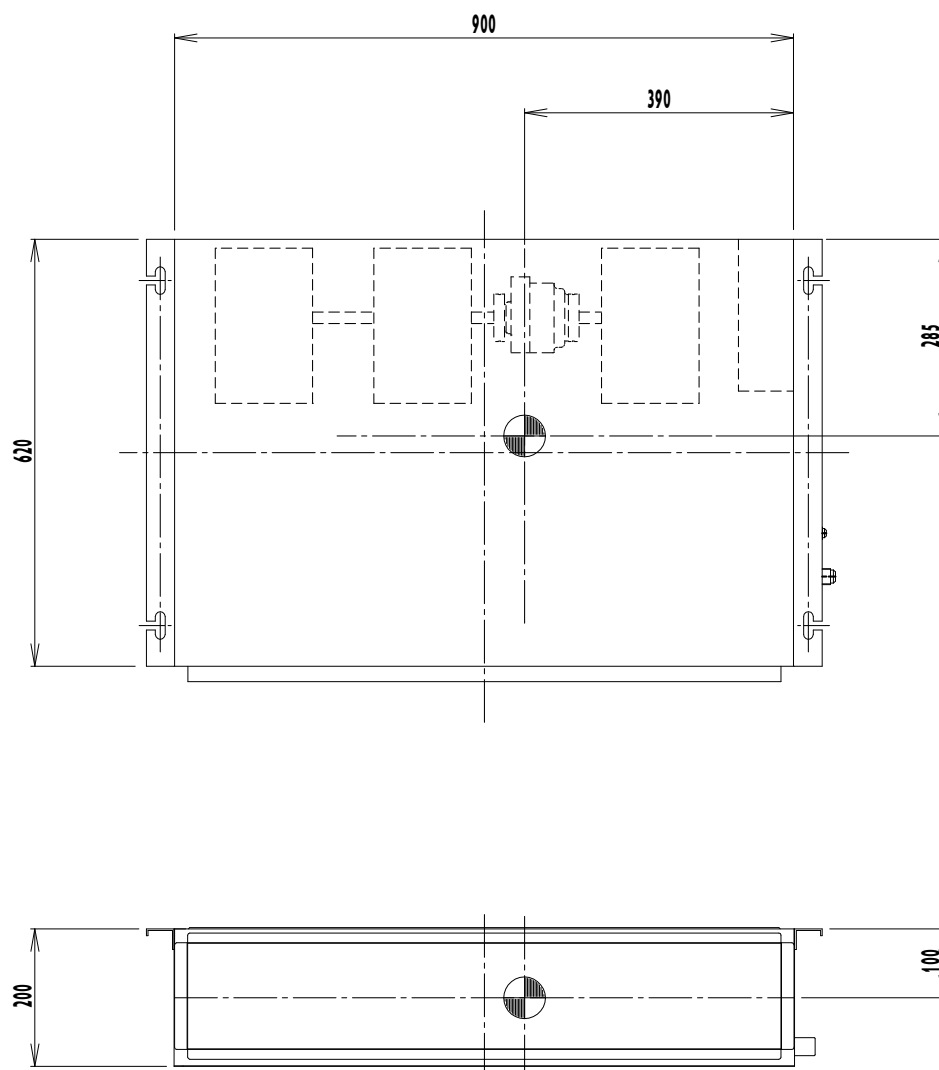


4D081430B

7 Centre of gravity

7 - 1 Centre of Gravity

FXDA40-50A

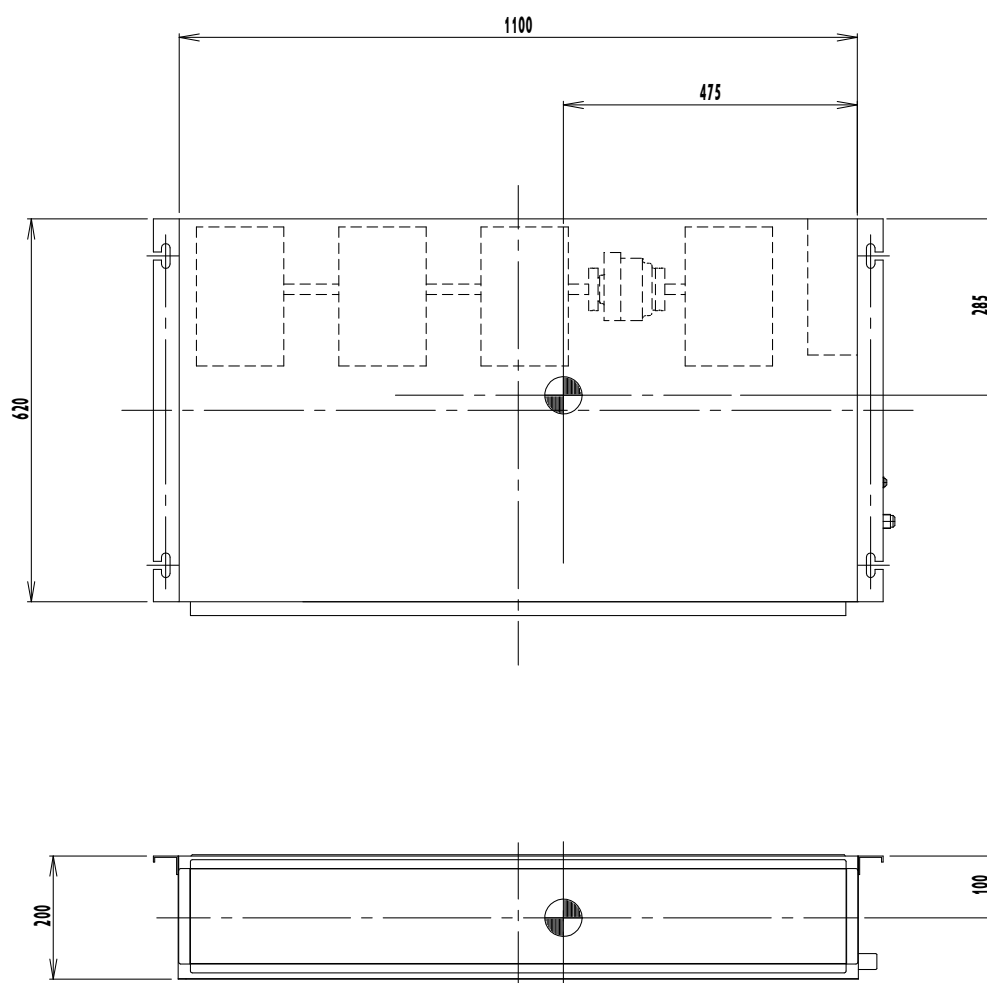


4D081431B

7 Centre of gravity

7 - 1 Centre of Gravity

FXDA63A



4D081433B

8 Piping diagrams

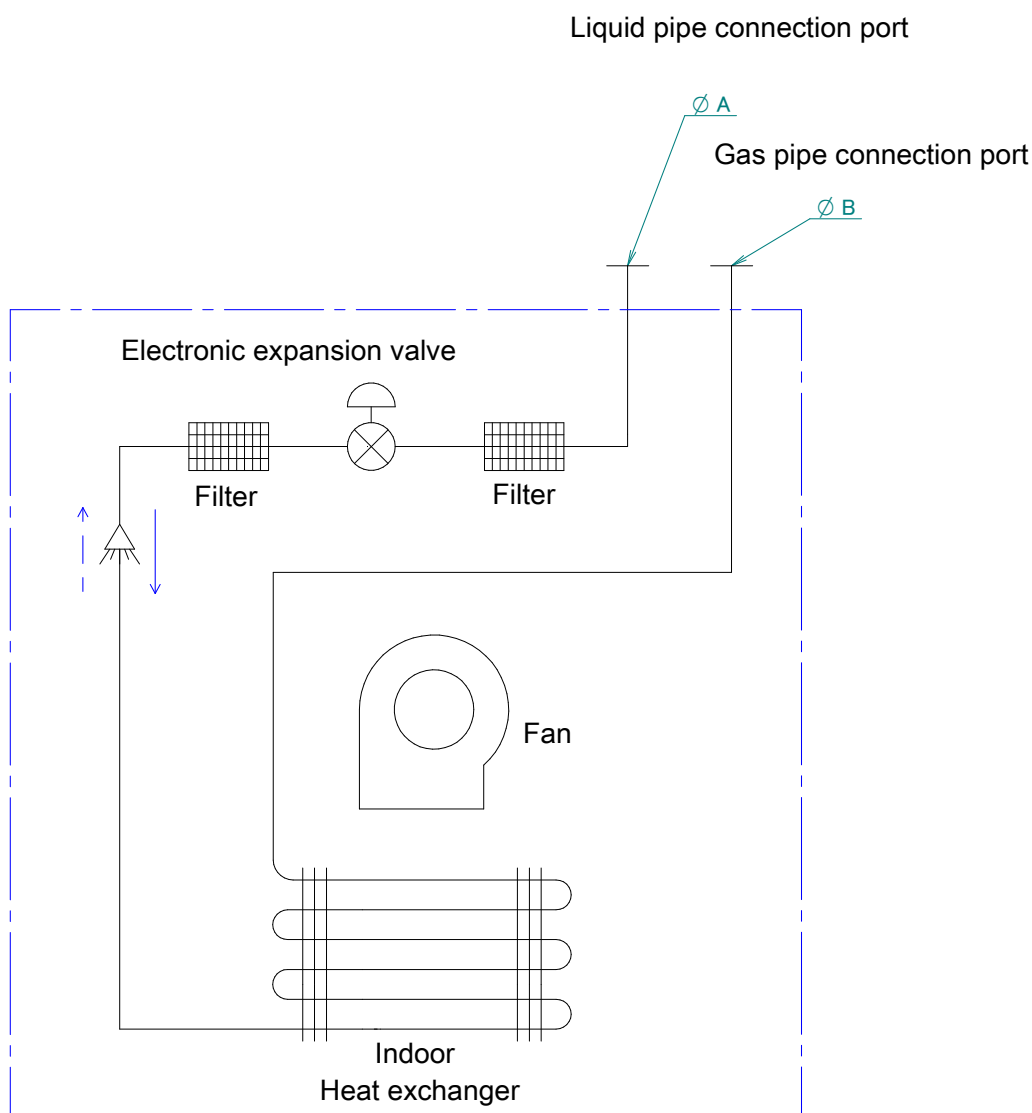
8 - 1 Piping Diagrams

FXDA-A

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

REFRIGERANT FLOW

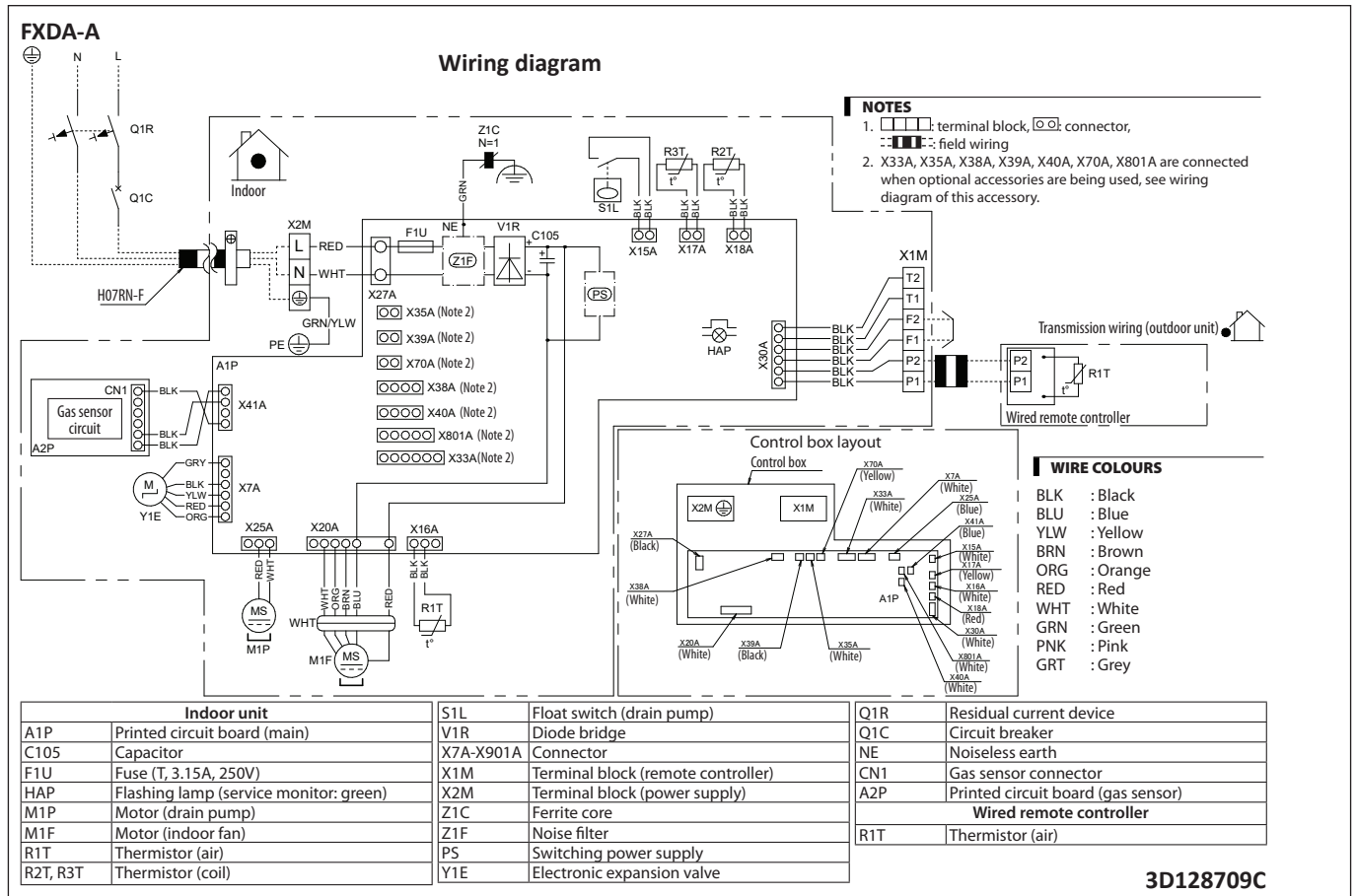
COOLING ———→
HEATING - - - - -→



4D126229

9 Wiring diagrams

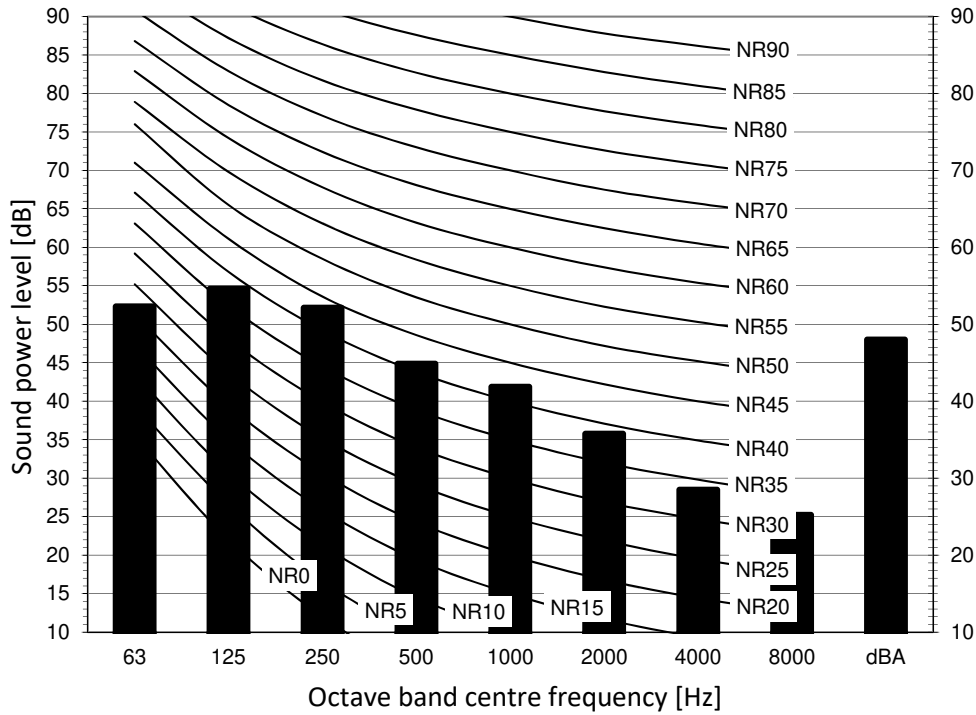
9 - 1 Wiring Diagrams - Single Phase



10 Sound data

10 - 1 Sound Power Spectrum

FXDA10A

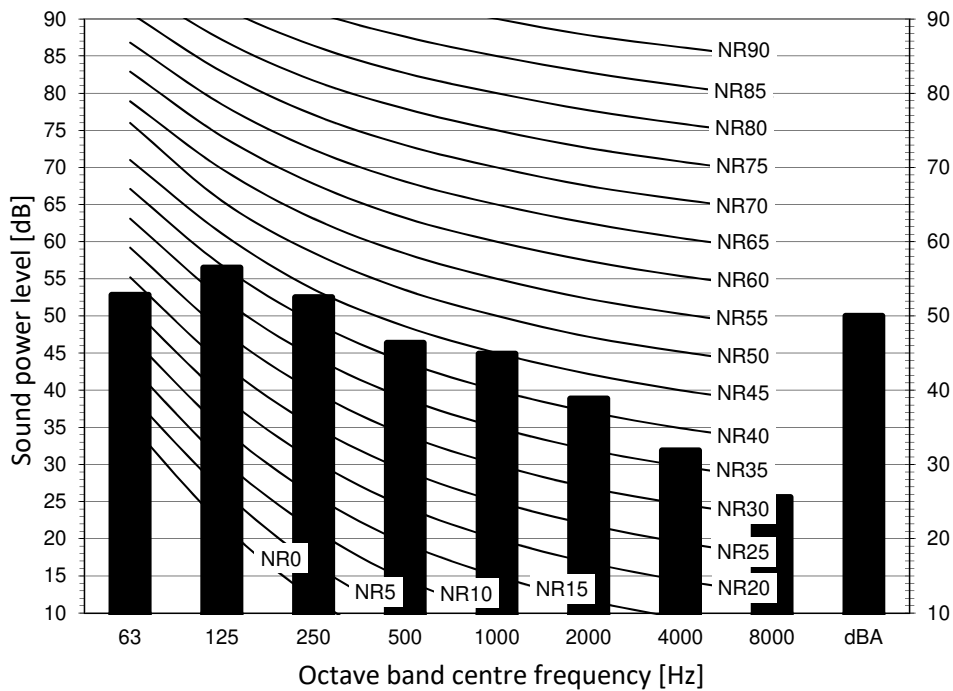


Notes

- 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

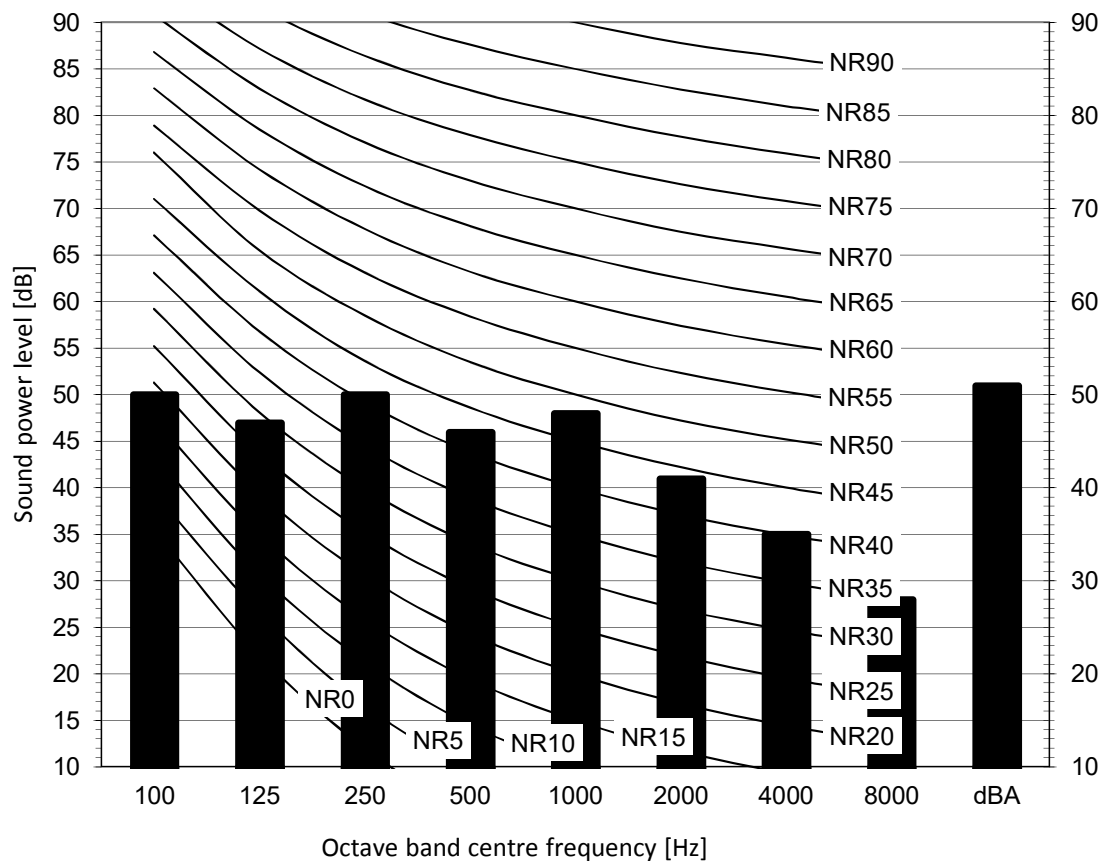
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic pressure 0 dB = 10^{-6} W/m²
- 3 Measured according to ISO 3744

4D129504

10 Sound data

10 - 1 Sound Power Spectrum

FXDA20A



Notes

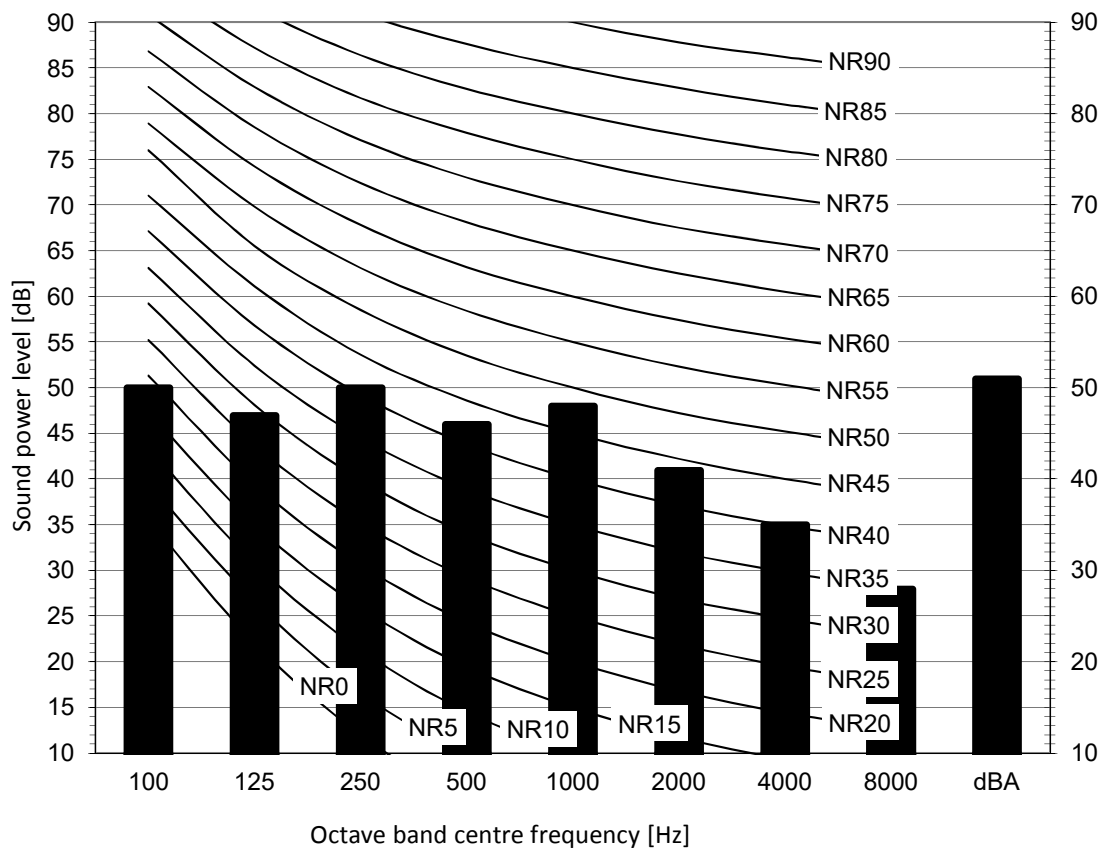
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10^{-6} W/m^2
- 3 Measured according to ISO 3744

4D088132

10 Sound data

10 - 1 Sound Power Spectrum

FXDA25A



Notes

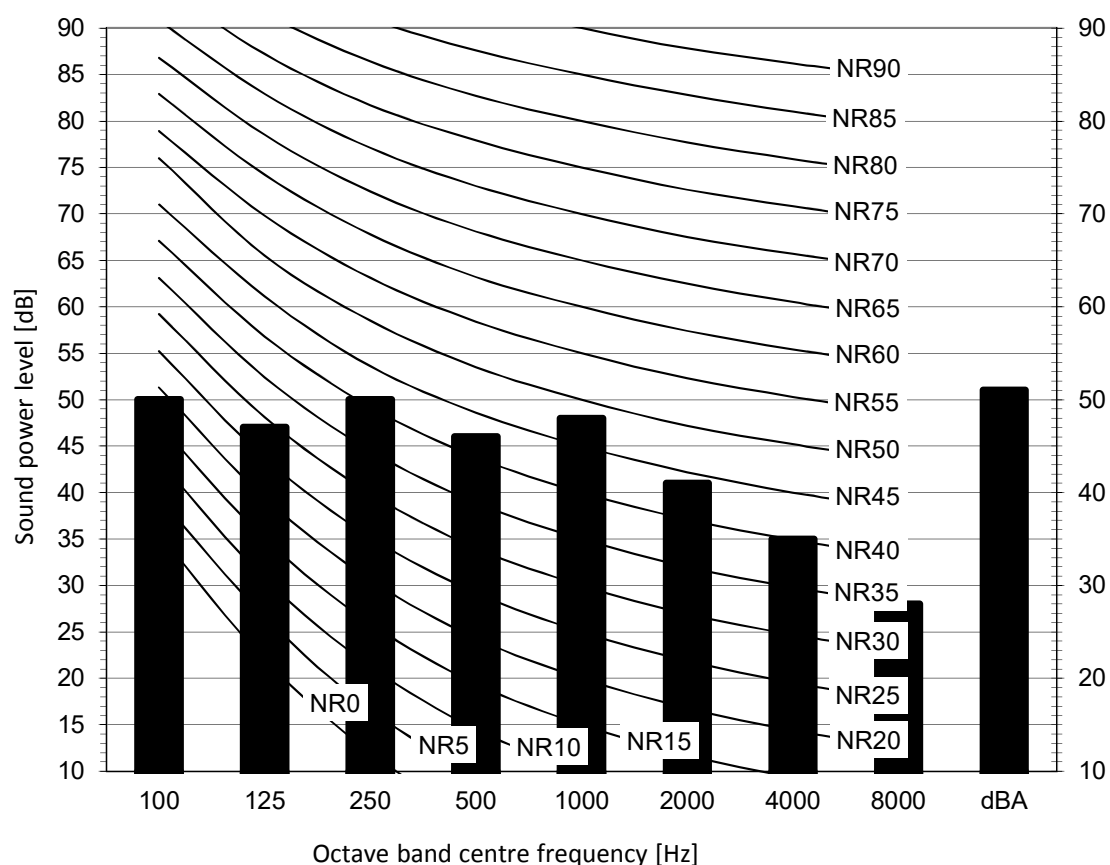
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088133

10 Sound data

10 - 1 Sound Power Spectrum

FXDA32A



Notes

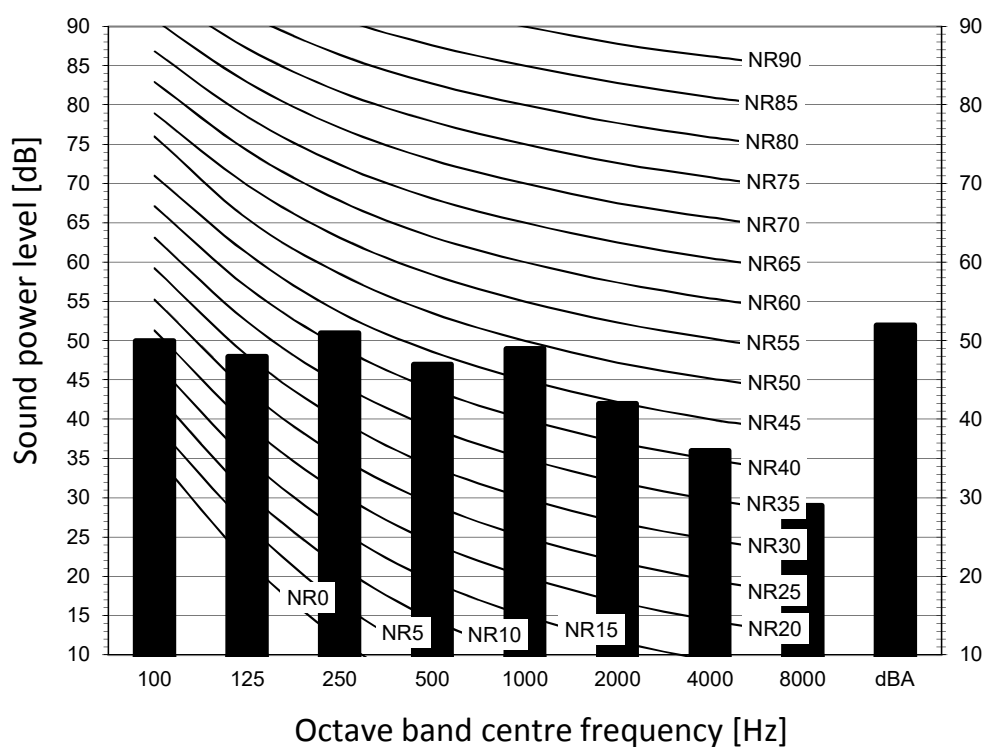
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088134

10 Sound data

10 - 1 Sound Power Spectrum

FXDA40A



Notes

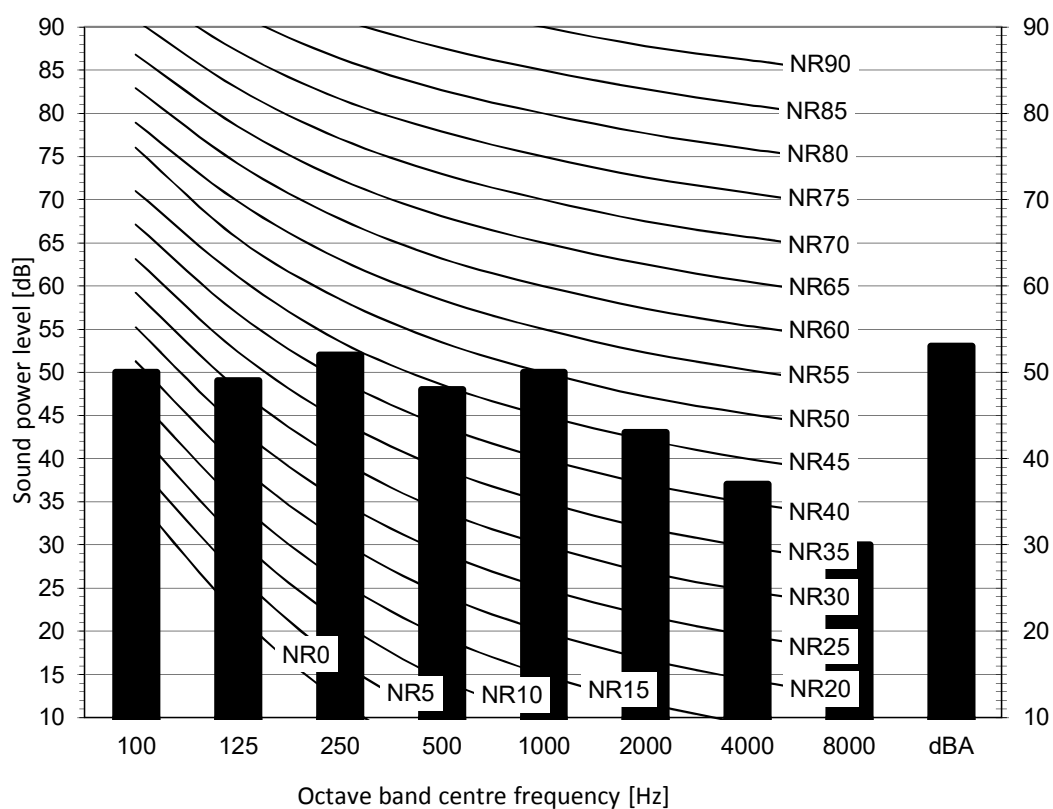
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088135

10 Sound data

10 - 1 Sound Power Spectrum

FXDA50A



Notes

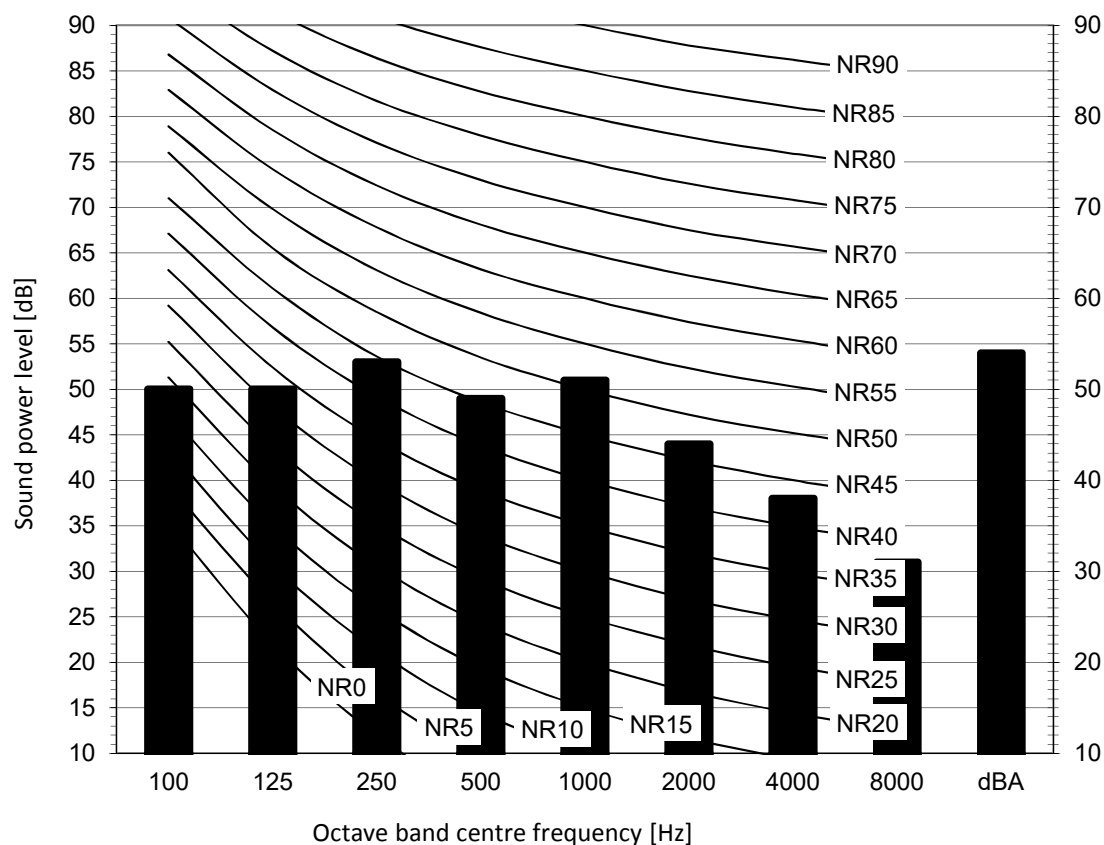
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088136

10 Sound data

10 - 1 Sound Power Spectrum

FXDA63A



Notes

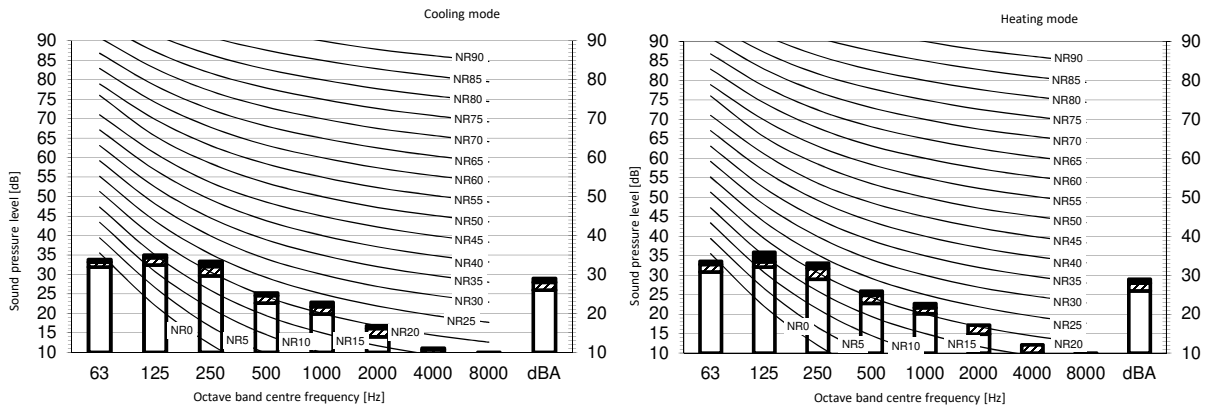
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10^{-6} W/m^2
- 3 Measured according to ISO 3744

4D088137

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDA10A



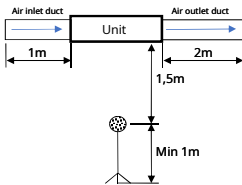
Legend

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

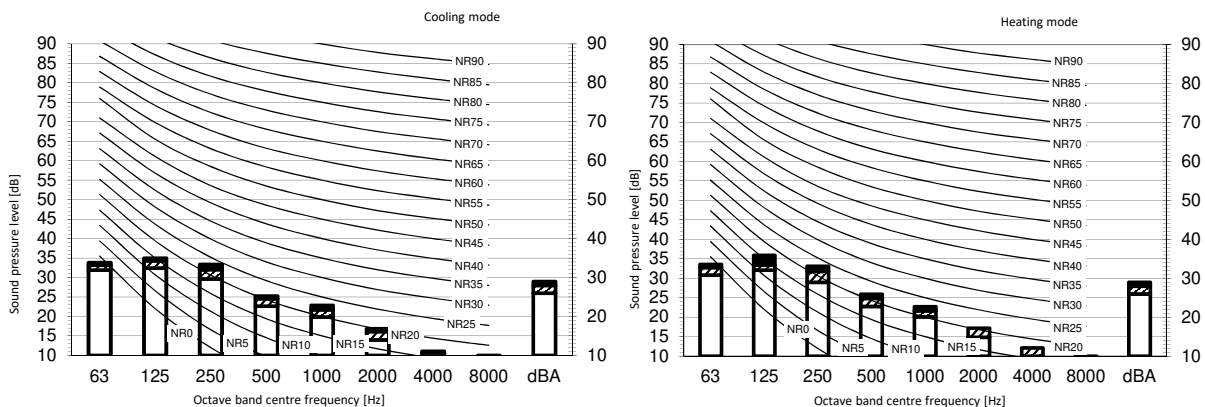
Heating Total dB			
A	B	C	D
dBA	29,0	28,0	26,0

Notes

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

3D129500

FXDA15A



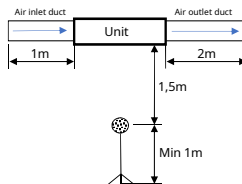
Legend

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

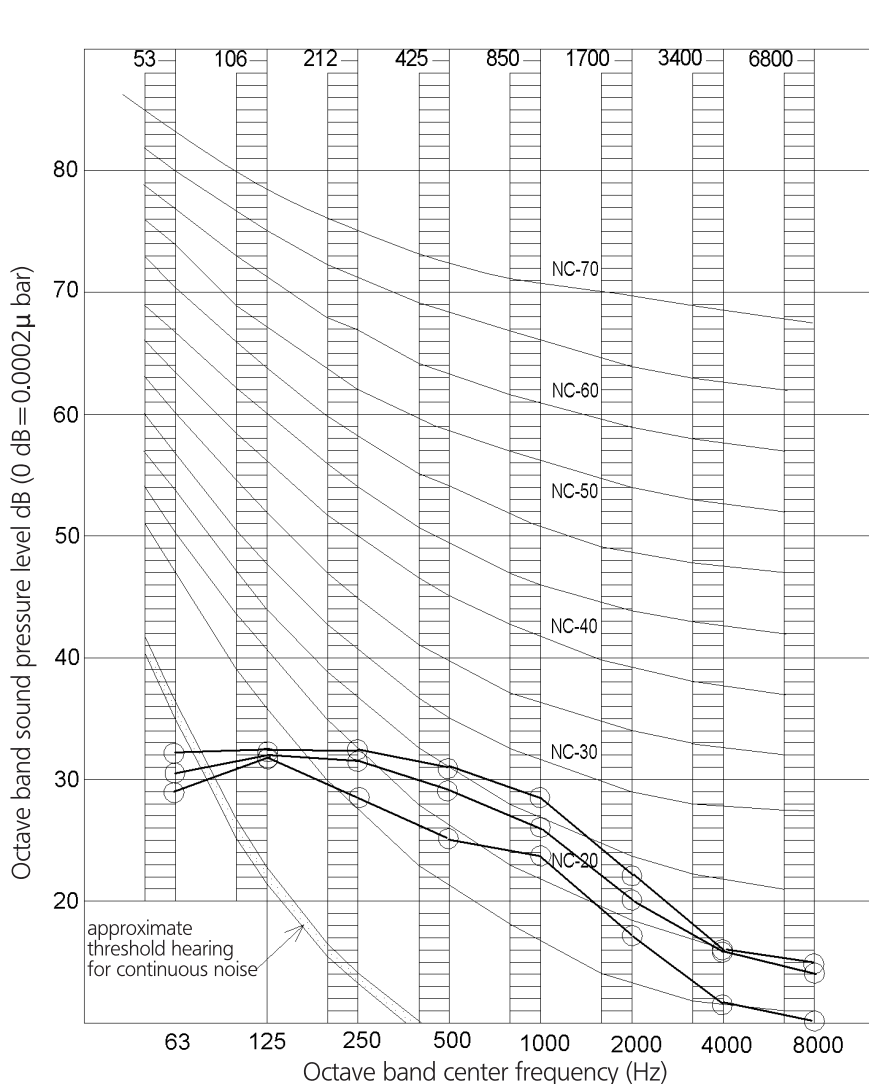
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

3D129501

10 Sound data

10 - 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

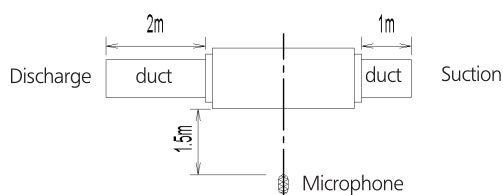
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

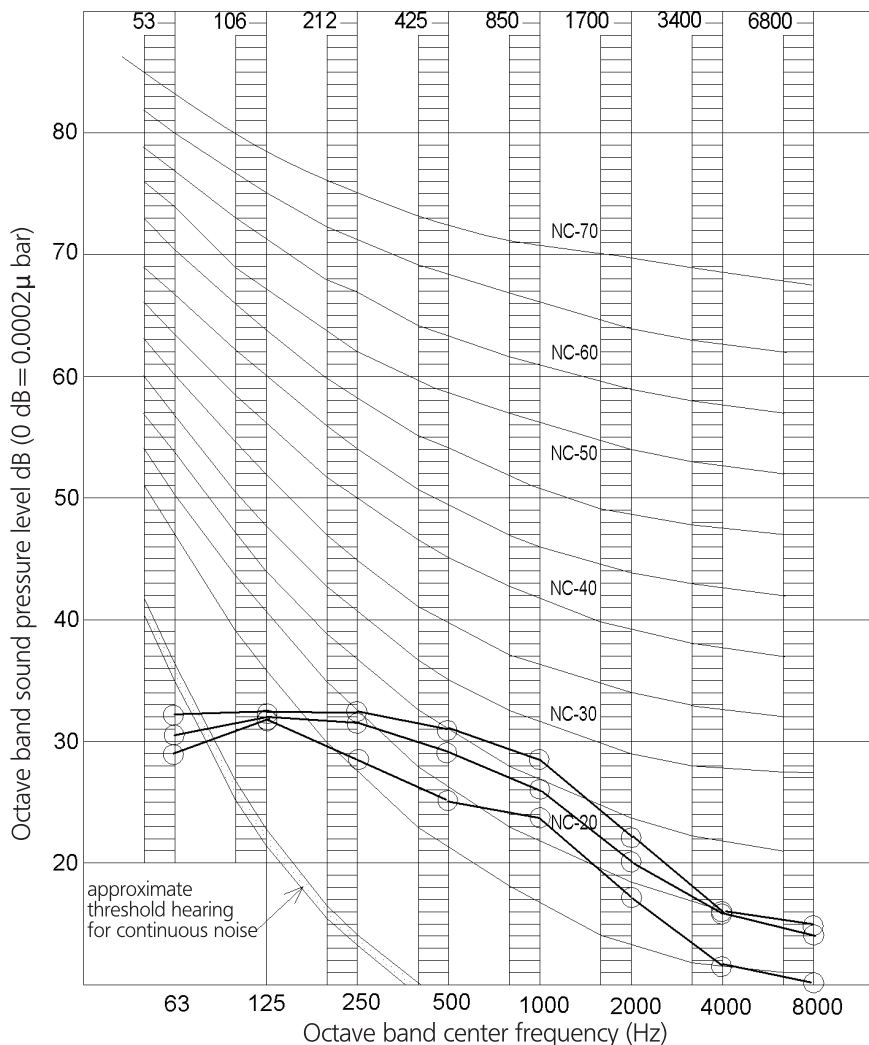


4D081439

10 Sound data

10 - 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

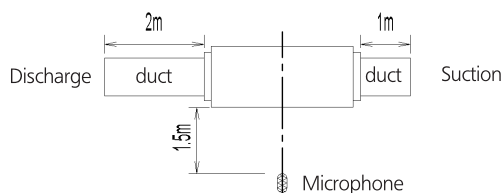
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

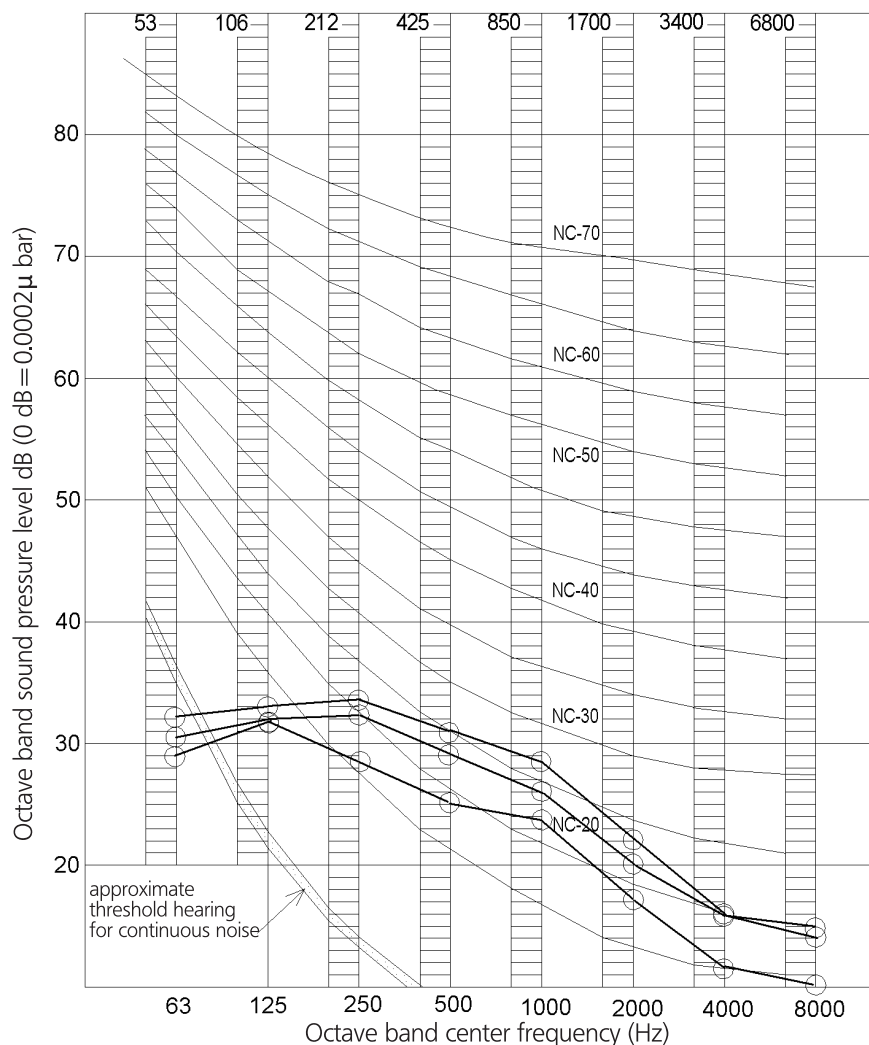


4D081440

10 Sound data

10 - 2 Sound Pressure Spectrum

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

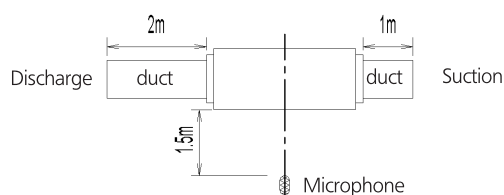
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

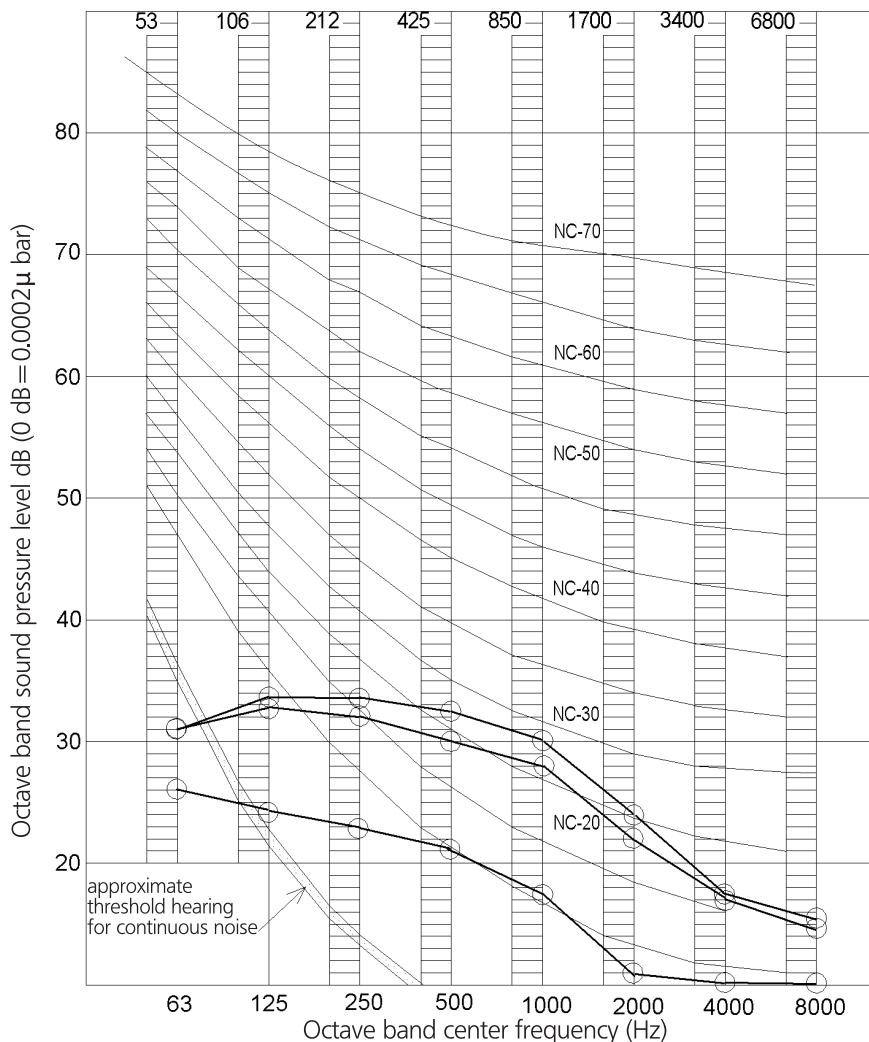


4D081442

10 Sound data

10 - 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

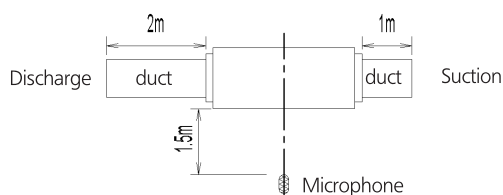
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

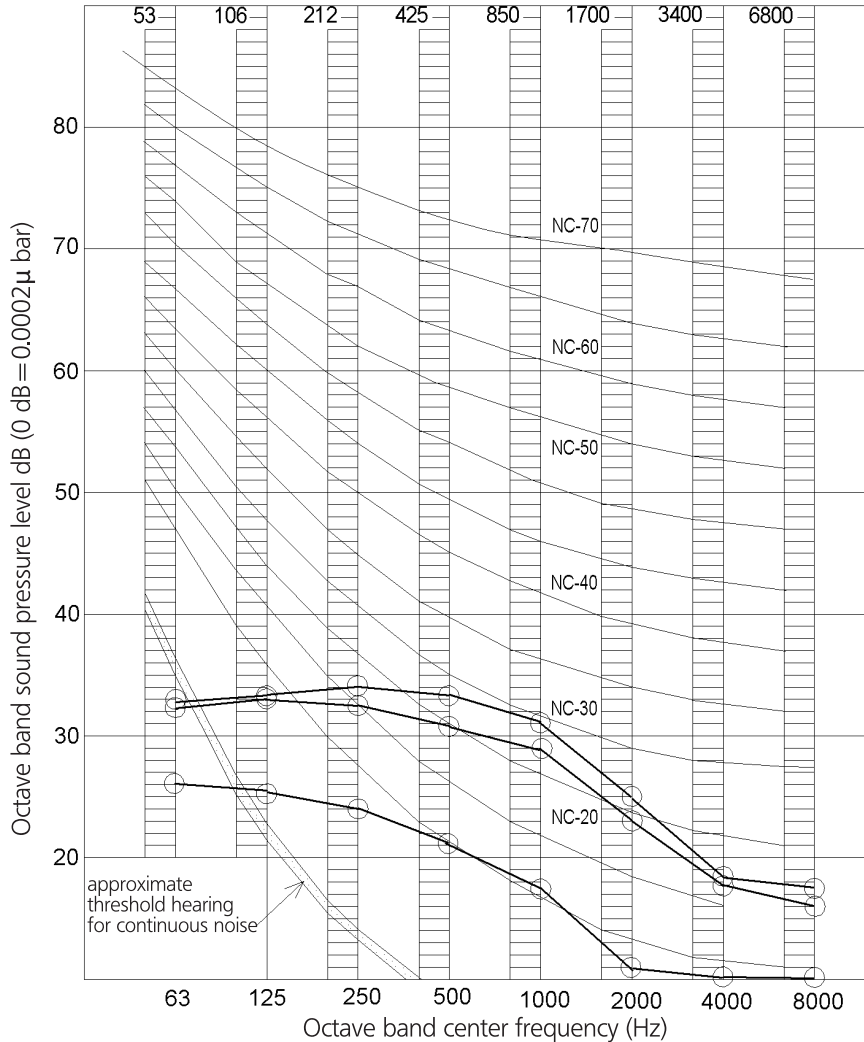


4D081443

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDA50A



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

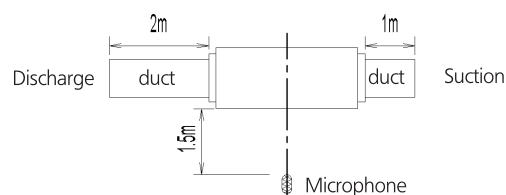
3 Operation noise differs with operation and ambient conditions.

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:

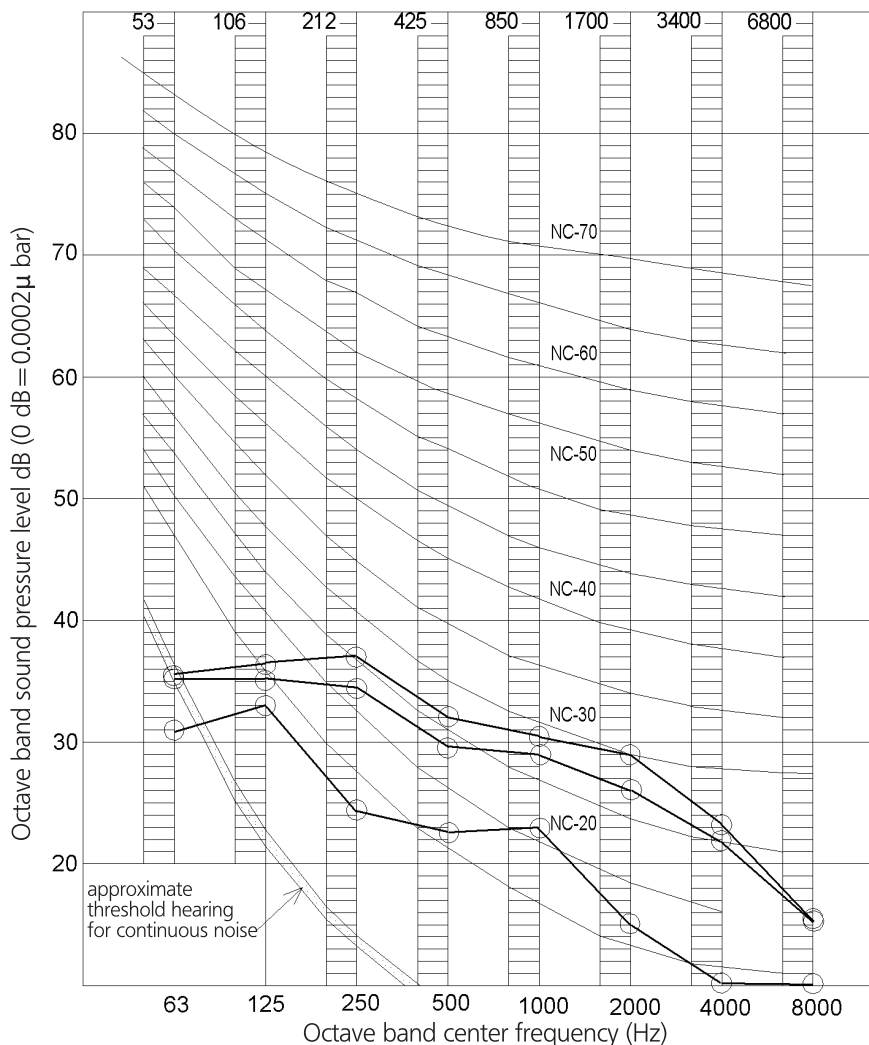


4D081444

10 Sound data

10 - 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

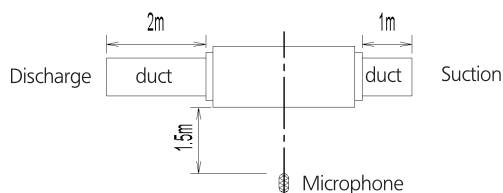
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



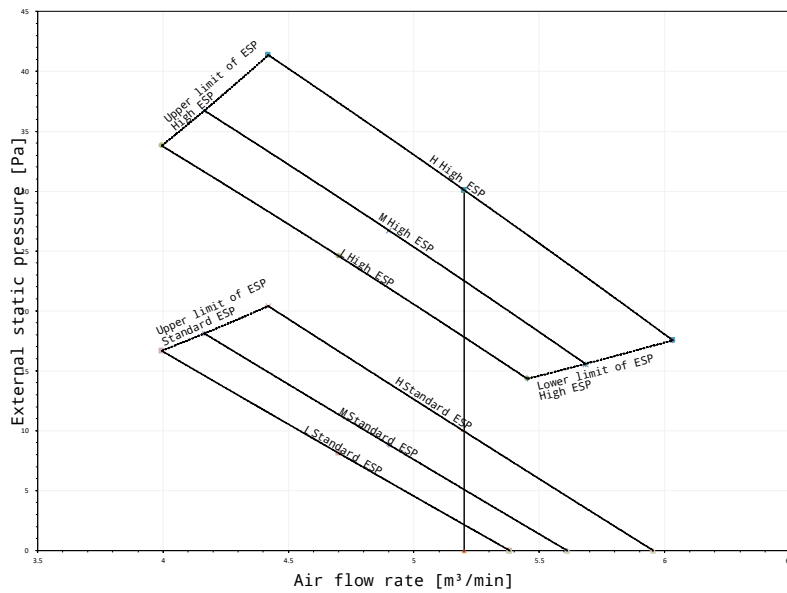
4D081445

11 Fan characteristics

11 - 1 Fan Characteristics

11

FXDA10A

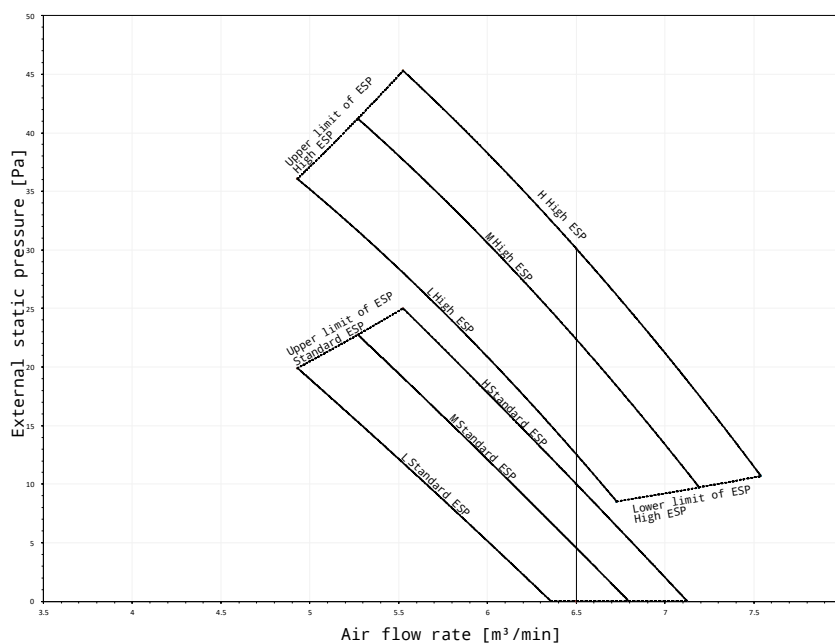


Notes

- 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

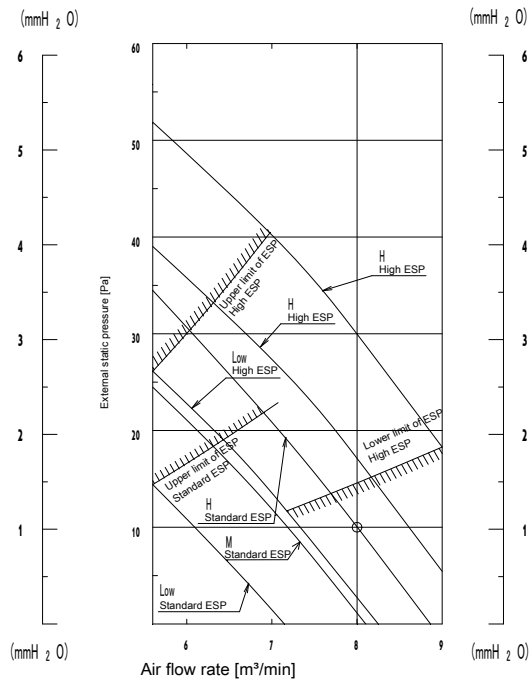
- 1.The fan characteristics shown are in "fan only" mode.
- 2.ESP: External Static Pressure
- 3.The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D129553

11 Fan characteristics

11 - 1 Fan Characteristics

FXDA20-25A



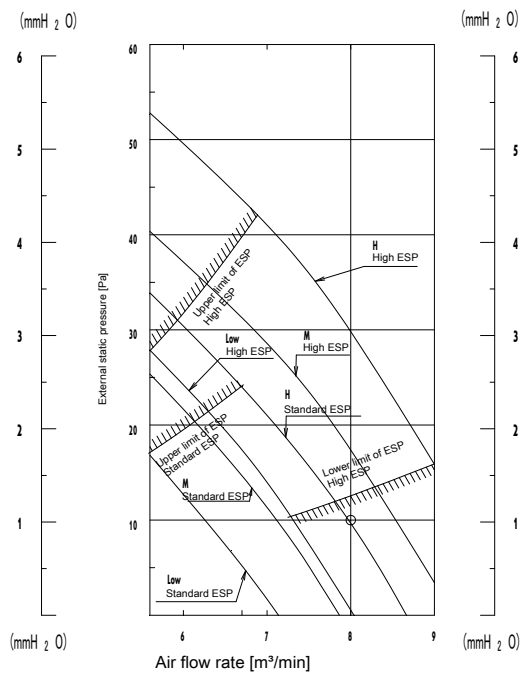
Notes

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

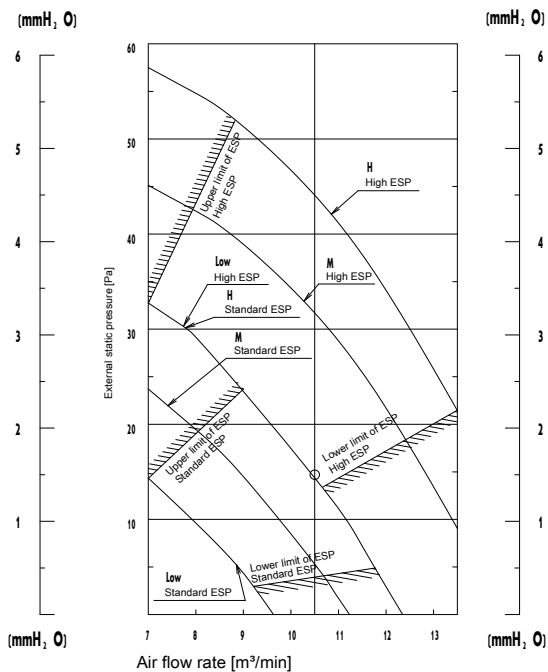
The remote controller can be used to switch between 'high' and 'low'.

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

3D081425C

11 Fan characteristics

11 - 1 Fan Characteristics

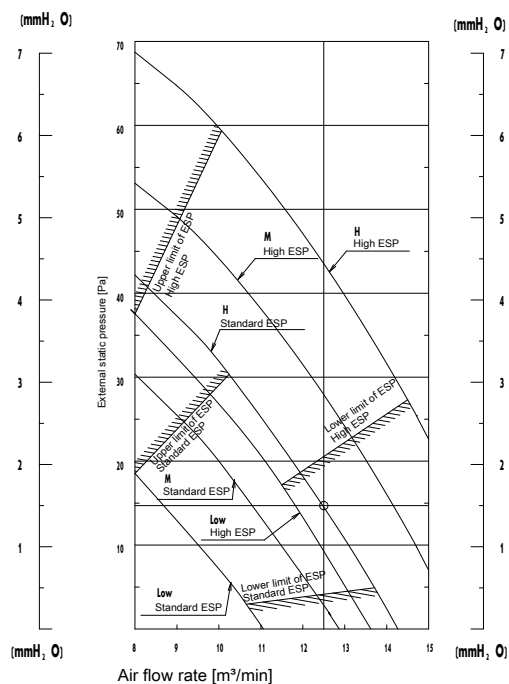
FXDA40A

Notes

- 6 The remote controller can be used to switch between 'high' and 'low'.
- 5 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

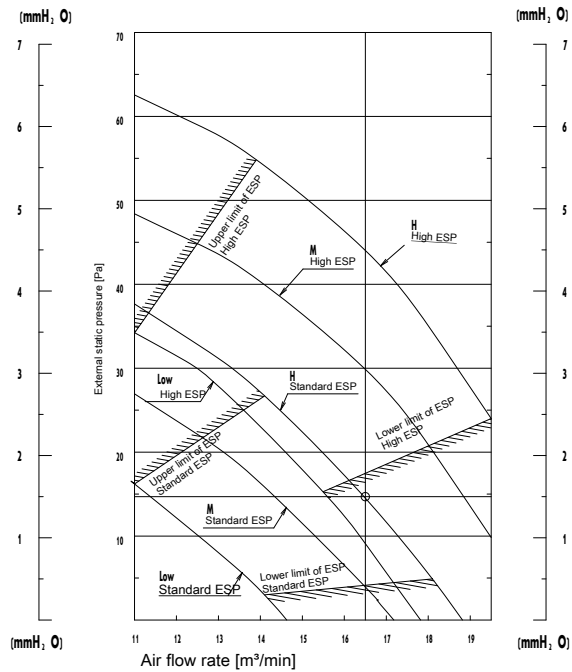
- The remote controller can be used to switch between 'high' and 'low'.
- The air flow is factory-set to 'standard'. It is possible to switch between 'standard E SP' and 'high ESP' by remote controller setting.

3D081427C

11 Fan characteristics

11 - 1 Fan Characteristics

FXDA63A

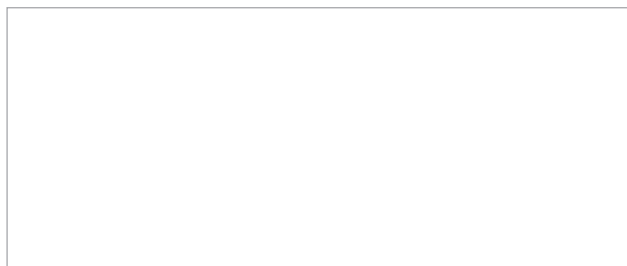


Notes

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



EEDEN26

04/2026



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