

Slim concealed ceiling unit Air Conditioning Technical Data FXDQ-A3



FXDQ15A3VEB
FXDQ20A3VEB
FXDQ25A3VEB
FXDQ32A3VEB
FXDQ40A3VEB
FXDQ50A3VEB
FXDQ63A3VEB

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1 Features

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Slim design for flexible installation

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- › 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
- › Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- › Reduced energy consumption thanks to specially developed DC fan motor
- › 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


Multi zoning
(optional)

Multi zoning
(optional)


Inverter


Home leave
operation


Fan only


Auto cooling-
heating
changeover


Whisper quiet


Fan speed
steps
(3 steps)

Dry
programme


Air filter


Weekly timer
(optional)

Infrared
remote control
(optional)

Wired remote
control
(optional)

Centralised
control
(optional)


Auto-restart



Self diagnosis


Multi tenant
(optional)

Drain pump
kit
(standard)

2 Specifications

1 - 1 FXDQ-A3

Technical specifications				FXDQ15A3	FXDQ20A3	FXDQ25A3	FXDQ32A3	FXDQ40A3	FXDQ50A3	FXDQ63A3	
Cooling capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	
Heating capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0	
Power input - 50Hz	Cooling	At high fan speed	kW	0.036 (1)			0.041 (1)	0.042 (1)	0.053 (1)	0.062 (1)	
		At medium fan speed	kW	0.031 (1)			0.036 (1)	0.035 (1)	0.043 (1)	0.049 (1)	
		At low fan speed	kW	0.025 (1)			0.030 (1)	0.029 (1)	0.034 (1)	0.039 (1)	
	Heating	At high fan speed	kW	0.036 (1)			0.041 (1)	0.042 (1)	0.053 (1)	0.062 (1)	
		At medium fan speed	kW	0.031 (1)			0.036 (1)	0.035 (1)	0.043 (1)	0.049 (1)	
		At low fan speed	kW	0.025 (1)			0.030 (1)	0.029 (1)	0.034 (1)	0.039 (1)	
Power input - 60Hz	Cooling	At high fan speed	kW	0.036 (1)			0.041 (1)	0.042 (1)	0.053 (1)	0.062 (1)	
	Heating	At high fan speed	kW	0.036 (1)			0.041 (1)	0.042 (1)	0.053 (1)	0.062 (1)	
Dimensions	Unit	Height	mm	200							
		Width	mm	750			950			1,150	
		Depth	mm	620							
	Packed unit	Height	mm	260							
		Width	mm	922			1,122			1,322	
		Depth	mm	768							
Weight	Unit	kg	22			26			29		
	Packed unit	kg	24	25			28	29	33		
Casing	Colour		Not painted (galvanised)								
	Material		Galvanised steel								
Required ceiling void >			mm	240							
Heat exchanger	Inside length		mm	500			700			900	
	Rows	Quantity		2			3				
	Fin pitch		mm	1.50							
	Passes	Quantity		3			6				
	Face area		m²	0.126			0.176			0.227	
	Stages	Quantity		12							
	Empty tubeplate hole	Quantity		0			4	0			
	Tube type			ø7 Hi-XD							
	Fin Type			Symmetric waffle louver							
	Fan	Type			Sirocco fan						
Quantity			2			3			4		
Air flow rate - 50Hz		Cooling	At high fan speed	m³/min	7.5	8.0			10.5	12.5	16.5
			At medium fan speed	m³/min	7.0	7.2			9.5	11.0	14.5
			At low fan speed	m³/min	6.4			8.5	10.0	13.0	
External static pressure - 50Hz		Factory set	Pa	10			15				
Fan	External static pressure - 50Hz	High	Pa	30.0			44.0				
Sound power level	Cooling	At high fan speed	dB(A)	50	51			52	53	54	
Sound pressure level	Cooling	At high fan speed	dB(A)	32.0	33.0			34.0	35.0	36.0	
		At medium fan speed	dB(A)	31.0			32.0	33.0	34.0		
		At low fan speed	dB(A)	27.0			28.0	29.0	30.0		
Fan motor	Quantity			1							
	Model			KFD-280-44-8A			KFD-280-65-8A				
	Output	Max	W	44			65				
Refrigerant	Type			R-410A							
	GWP			2,087.5							
	Control			Electronic expansion valve							
Piping connections	Liquid	Type		Flare connection							
		OD	mm	6						10	
	Gas	Type		Flare connection							
		OD	mm	12.7						15.9	
	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		Fuse							
		02		Thermal protector for fan motor							
Control systems	Infrared remote control			BRC4C65 / BRC4C66							
	Wired remote control			BRC1D528 / BRC1E51							

2 Specifications

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Electrical specifications			FXDQ15A3	FXDQ20A3	FXDQ25A3	FXDQ32A3	FXDQ40A3	FXDQ50A3	FXDQ63A3
Power supply	Name		VE						
	Phase		1~						
	Frequency	Hz	50/60						
	Voltage	V	220-240/220						
Current - 50Hz	Minimum circuit amps (MCA)	A	0.4			0.5		0.6	
	Maximum fuse amps (MFA)	A	16						
	Full load amps (FLA) Total	A	0.3			0.4		0.5	
Current - 60Hz	Minimum circuit amps (MCA)	A	0.4			0.5		0.6	
	Maximum fuse amps (MFA)	A	16						
	Full load amps (FLA) Total	A	0.3			0.4		0.5	

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

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

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

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

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

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

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

MCA/MFA: MCA = 1.25 x FLA |

MFA ≤ 4 x FLA |

Contains fluorinated greenhouse gases |

Instead of a fuse, use a circuit breaker |

Select wire size based on the value of MCA |

Next lower standard fuse rating minimum 15A

3 Electrical data

3 - 1 Electrical Data

FXDQ-A3

Model name	Power supply					IFM		Power input [W]	
	①	②	③	MCA	MFA	kW	FLA	Cooling	Heating
FXDQ15A3VEB	50	220-240V	MAX. 264V MIN. 198V	0,4	16	0,036	0,3	71	68
FXDQ20A3VEB				0,4		0,036	0,3	71	68
FXDQ25A3VEB				0,4		0,036	0,3	71	68
FXDQ32A3VEB				0,4		0,036	0,3	71	68
FXDQ40A3VEB				0,5		0,038	0,4	78	75
FXDQ50A3VEB				0,5		0,038	0,4	99	96
FXDQ63A3VEB				0,6		0,060	0,5	110	107
FXDQ15A3VEB	60	220V	MAX. 242V MIN. 198V	0,4	16	0,036	0,3	71	68
FXDQ20A3VEB				0,4		0,036	0,3	71	68
FXDQ25A3VEB				0,4		0,036	0,3	71	68
FXDQ32A3VEB				0,4		0,036	0,3	71	68
FXDQ40A3VEB				0,5		0,038	0,4	78	75
FXDQ50A3VEB				0,5		0,038	0,4	99	96
FXDQ63A3VEB				0,6		0,060	0,5	110	107

Notes

- 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.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- MCA / MFA
MCA = 1.25 x FLA
MFA ≤ 4 x FLA
The next lower standard fuse rating is minimum 15 ampere.
- Select the wire size according to the MCA.
- Use a circuit breaker instead of a fuse.

Symbols

①	Hz		
②	Voltage		
③	Voltage range	IFM	Indoor fan motor
MCA	Minimum Circuit Ampere [A]	FLA	Full Load Ampere [A]
MFA	Maximum Fuse Ampere [A]	kW	Fan motor rated output [kW]

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4 Options

4 - 1 Options

FXDQ-A3

	Option kit	Product name	Availability		
			S	M	L
			FXDQ15A3VEB FXDQ20A3VEB FXDQ25A3VEB FXDQ32A3VEB	FXDQ40A3VEB FXDQ50A3VEB	FXDQ63A3VEB
Individual control systems	Wired remote control	BRC1D52, BRC1D61(1), BRC1E53A7(6), BRC1E53B7(7), BRC1E53C7(8)(9), BRC1H52W/S/K, BRC1H82W/S	✓	✓	✓
	Simplified remote control	BRC2E52C(3)(9)	✓	✓	✓
	Stylish remote control	BRC3E52C(3)(9)	✓	✓	✓
	Remote control for hotel use	BRC4C65	✓	✓	✓
	Wireless remote control (H/P)	DCS302CA51, DCS302CA61(1)	✓	✓	✓
Centralised control systems	Central remote control	DCS301BA51, DCS301BA61(1)	✓	✓	✓
	Unified ON/OFF controller	DST301BA51, DST301BA61(1)	✓	✓	✓
	Schedule timer	DCS303A51(1)(2)	✓	✓	✓
	Residential central remote control	KRP1B56	✓	✓	✓
Other options	Adaptor for wiring	KRP2A53	✓	✓	✓
	Wiring adaptor for electrical appendices -1-	KRP4A54	✓	✓	✓
	Wiring adaptor for electrical appendices -2-	KRC501-4B	✓	✓	✓
	Remote sensor	KRP1BA101	✓	✓	✓
	Installation box for adaptor PCB	KJB212AA	✓	✓	✓
	Electrical box with earth terminal (-2- blocks)	KJB311AA	✓	✓	✓
	Electrical box with earth terminal (-3- blocks)	KEK26-1A	✓	✓	✓
	Noise filter (for electromagnetic interface only)	DTA104A53	✓	✓	✓
	External control adaptor for outdoor unit	DTA114A61	✓	✓	✓
	Must be installed on the outdoor unit	KDT25N32, KDT25N50, KDT25N63	✓	✓	✓
	Adaptor for multi-tenant applications	BRP7A54(4)	✓	✓	✓
	Insulation kit for high humidity	BAE20A62	✓	✗	✗
	Digital input adaptor	BAE20A82	✗	✓	✗
	Auto cleaning filter - Small	BAE20A102	✗	✗	✓
	Auto cleaning filter - Medium				
	Auto cleaning filter - Large				

Only for -DAME-

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

Included languages are:

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

With PC cable -EKPCCAB3- 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.

Only possible in combination with remote control -BRC2/3E52C, BRC1E53A/B/C7, BRC1H52W/S/K, BRC1H82W/S-.

Requires installation box for adaptor PCB

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

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

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

Language pack -3- of controller -BRC1E53C7- is different from that of controller -BRC2/3E52C7-.

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5 Capacity tables

5 - 1 Cooling Capacity Tables

FXDQ15-32A3

TC: Total Capacity (kW) ; SHC: Sensible heat capacity (kW)

Unit size		Indoor air temp.													
		14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
Out door °CDB		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	10.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.2	1.5
	12.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.2	1.5
	14.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.2	1.5
	16.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.1	1.5
	18.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.1	1.5
	20.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.1	1.5
	21.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.1	1.5
	23.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.0	1.4
	25.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.0	1.4
	27.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	1.9	1.4	2.0	1.4
	29.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	1.9	1.4	2.0	1.4
	31.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	1.9	1.4	1.9	1.4
	33.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.5	1.9	1.4	1.9	1.4
	35.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.4	1.8	1.4	1.9	1.4
	37.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.4	1.8	1.4	1.8	1.3
	39.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.7	1.4	1.8	1.3	1.8	1.3
20	10.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.9	2.0
	12.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.9	2.0
	14.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.8	1.9
	16.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.8	1.9
	18.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.7	1.9
	20.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.7	1.9
	21.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.7	1.9
	23.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.6	1.9
	25.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.6	1.8	2.6	1.9
	27.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.5	1.8	2.6	1.9
	29.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.5	1.8	2.5	1.8
	31.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.7	2.5	1.8
	33.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.7	2.5	1.8
	35.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.7	2.4	1.8
	37.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.3	1.7	2.4	1.8
	39.0	1.5	1.4	1.8	1.6	2.1	1.8	2.1	1.9	2.2	1.9	2.3	1.6	2.3	1.8
25	10.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.4	2.2	3.7	2.3
	12.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.4	2.2	3.6	2.2
	14.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.4	2.2	3.6	2.2
	16.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.4	2.2	3.5	2.2
	18.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.4	2.2	3.5	2.2
	20.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.4	2.2	3.4	2.2
	21.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.4	2.2	3.4	2.2
	23.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.3	2.2	3.4	2.1
	25.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.3	2.2	3.3	2.1
	27.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.2	2.2	3.3	2.1
	29.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.2	2.1	3.2	2.1
	31.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.1	2.1	3.2	2.1
	33.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.1	2.1	3.1	2.1
	35.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.0	2.1	3.1	2.0
	37.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	2.9	2.2	3.0	2.0	3.0	2.0
	39.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	2.9	2.1	2.9	2.0	3.0	2.0
32	10.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.3	2.8	4.7	2.9
	12.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.3	2.8	4.7	2.9
	14.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.3	2.8	4.6	2.8
	16.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.3	2.8	4.6	2.8
	18.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.3	2.8	4.5	2.8
	20.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.3	2.8	4.4	2.8
	21.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.3	2.8	4.4	2.7
	23.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.2	2.8	4.3	2.7
	25.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.2	2.7	4.3	2.7
	27.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.1	2.7	4.2	2.7
	29.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.1	2.7	4.2	2.6
	31.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	4.0	2.6	4.1	2.6
	33.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	3.9	2.6	4.0	2.6
	35.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	3.9	2.5	4.0	2.5
	37.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.7	2.5	3.8	2.5	3.9	2.5
	39.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.7	2.5	3.8	2.5	3.8	2.5

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5 Capacity tables

5 - 1 Cooling Capacity Tables

FXDQ40-63A3

TC: Total Capacity (kW) ; SHC: Sensible heat capacity (kW)

Unit size	Out door °CDB	Indoor air temp.															
		14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB			
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB			
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
40	10.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.4	3.3	5.9	3.5		
	12.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.4	3.3	5.8	3.5		
	14.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.4	3.3	5.8	3.5		
	16.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.4	3.3	5.7	3.5		
	18.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.4	3.3	5.6	3.4		
	20.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.4	3.3	5.5	3.4		
	21.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.4	3.3	5.5	3.4		
	23.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.3	3.3	5.4	3.3		
	25.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.2	3.3	5.3	3.3		
	27.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.2	3.2	5.3	3.3		
	29.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.1	3.2	5.2	3.3		
	31.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	5.0	3.2	5.1	3.2		
	33.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.8	3.2	4.9	3.2	5.0	3.2		
	35.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.7	3.2	4.9	3.1	5.0	3.2		
	37.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.7	3.2	4.8	3.1	4.9	3.1		
	39.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.6	3.2	4.7	3.1	4.8	3.1		
50	10.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.7	4.2	7.4	4.1		
	12.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.7	4.2	7.3	4.1		
	14.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.7	4.2	7.2	4.1		
	16.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.7	4.2	7.1	4.0		
	18.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.7	4.2	7.0	4.0		
	20.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.7	4.2	6.9	4.0		
	21.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.7	4.2	6.8	4.0		
	23.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.2	6.7	3.9		
	25.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.5	4.1	6.6	3.9		
	27.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.4	4.1	6.6	3.9		
	29.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.3	4.0	6.5	3.8		
	31.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.2	4.0	6.4	3.8		
	33.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.1	4.0	6.3	3.8		
	35.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	5.9	4.0	6.0	3.9	6.2	3.7		
	37.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	5.8	4.0	5.9	3.9	6.1	3.7		
	39.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	5.7	3.9	5.8	3.9	6.0	3.7		
63	10.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.5	5.1	9.3	5.7		
	12.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.5	5.1	9.2	5.6		
	14.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.5	5.1	9.1	5.5		
	16.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.5	5.1	9.0	5.4		
	18.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.5	5.1	8.8	5.4		
	20.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.5	5.1	8.7	5.3		
	21.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.5	5.1	8.7	5.3		
	23.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.4	5.1	8.5	5.2		
	25.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.3	5.0	8.4	5.1		
	27.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.1	5.0	8.3	5.1		
	29.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	8.0	4.9	8.2	5.0		
	31.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	7.9	4.9	8.1	4.9		
	33.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.6	4.9	7.8	4.8	7.9	4.9		
	35.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.5	4.8	7.7	4.8	7.8	4.8		
	37.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.4	4.8	7.5	4.7	7.7	4.8		
	39.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.2	4.7	7.4	4.7	7.6	4.7		

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5 Capacity tables

5 - 2 Heating Capacity Tables

FXDQ15-32A3

Unit size	Outdoor air temp.		On coil temp.: °C DB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
15	-19.8	-20.0	1.1	1.1	1.1	1.1	1.1	1.1
	-18.8	-19.0	1.2	1.2	1.1	1.1	1.1	1.1
	-16.7	-17.0	1.2	1.2	1.2	1.2	1.2	1.2
	-13.7	-15.0	1.3	1.3	1.3	1.3	1.3	1.3
	-11.8	-13.0	1.4	1.4	1.4	1.3	1.3	1.3
	-9.8	-11.0	1.4	1.4	1.4	1.4	1.4	1.4
	-9.5	-10.0	1.5	1.5	1.5	1.4	1.4	1.4
	-8.5	-9.1	1.5	1.5	1.5	1.5	1.5	1.5
	-7.0	-7.6	1.5	1.5	1.5	1.5	1.5	1.5
	-5.0	-5.6	1.6	1.6	1.6	1.6	1.6	1.6
	-3.0	-3.7	1.7	1.7	1.7	1.7	1.7	1.7
	0.0	-0.7	1.8	1.8	1.8	1.8	1.8	1.8
	3.0	2.2	1.9	1.9	1.9	1.8	1.8	1.7
	5.0	4.1	1.9	1.9	1.9	1.8	1.8	1.7
	7.0	6.0	2.0	2.0	1.9	1.8	1.8	1.7
	9.0	7.9	2.1	2.0	1.9	1.8	1.8	1.7
	11.0	9.8	2.1	2.0	1.9	1.8	1.8	1.7
	13.0	11.8	2.1	2.0	1.9	1.8	1.8	1.7
	15.0	13.7	2.1	2.0	1.9	1.8	1.8	1.7
20	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
	-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
	-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
	-13.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
	-11.8	-13.0	1.8	1.8	1.8	1.8	1.8	1.8
	-9.8	-11.0	1.9	1.9	1.9	1.9	1.9	1.9
	-9.5	-10.0	1.9	1.9	1.9	1.9	1.9	1.9
	-8.5	-9.1	2.0	2.0	1.9	1.9	1.9	1.9
	-7.0	-7.6	2.0	2.0	2.0	2.0	2.0	2.0
	-5.0	-5.6	2.1	2.1	2.1	2.1	2.1	2.1
	-3.0	-3.7	2.2	2.2	2.2	2.2	2.2	2.2
	0.0	-0.7	2.3	2.3	2.3	2.3	2.3	2.2
	3.0	2.2	2.5	2.5	2.4	2.4	2.3	2.2
	5.0	4.1	2.5	2.5	2.5	2.4	2.3	2.2
	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
	9.0	7.9	2.7	2.7	2.5	2.4	2.3	2.2
	11.0	9.8	2.8	2.7	2.5	2.4	2.3	2.2
	13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.2
	15.0	13.7	2.8	2.7	2.5	2.4	2.3	2.2
25	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
	-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
	-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
	-13.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
	-11.8	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
	-9.8	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
	-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
	-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
	-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
	-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
	-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
	0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
	3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
	5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
	9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
	11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
	13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.8
	15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
	-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
	-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
	-13.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
	-11.8	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
	-9.8	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
	-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
	-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
	-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
	-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
	-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
	0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
	3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
	5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
	9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
	11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
	13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
	15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5

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5 Capacity tables

5 - 2 Heating Capacity Tables

FXDQ40-63A3

Unit size	Outdoor air temp.		On coil temp.: °C DB					
	°CDB	°CWB	16.0	18.0	20.0	21.0	22.0	24.0
40	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
	-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
	-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
	-13.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
	-11.8	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
	-9.8	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
	-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
	-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
	-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
	-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
	-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
	0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
	3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
	5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
	9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
	11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
	13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
	15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4
50	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
	-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
	-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
	-13.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
	-11.8	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
	-9.8	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
	-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
	-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
	-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
	-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
	-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
	0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
	3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
	5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
	9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
	11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
	13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5
	15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5
63	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
	-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
	-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
	-13.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
	-11.8	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
	-9.8	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
	-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
	-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
	-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
	-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
	-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
	0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
	3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
	5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
	9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
	11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
	13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
	15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0

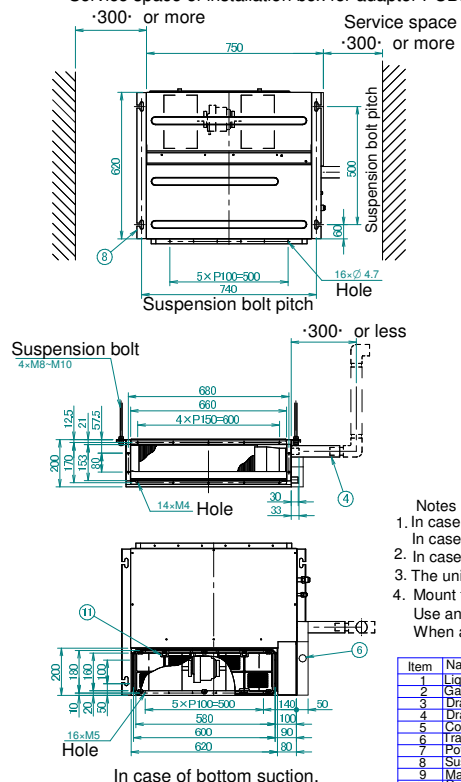
3TW32902-3

6 Dimensional drawings

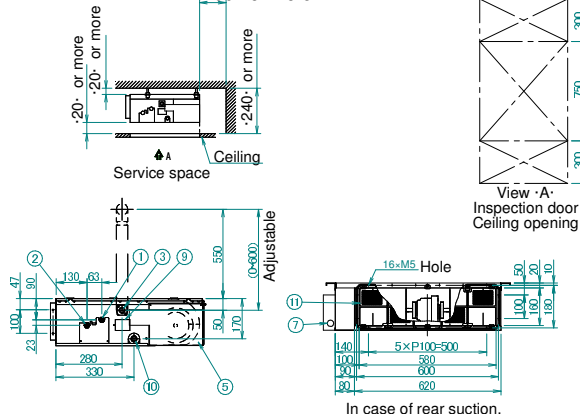
6 - 1 Dimensional Drawings

FXDQ15-32A3

Service space of installation box for adaptor PCB.



In case of rear suction.
400 or more



Notes

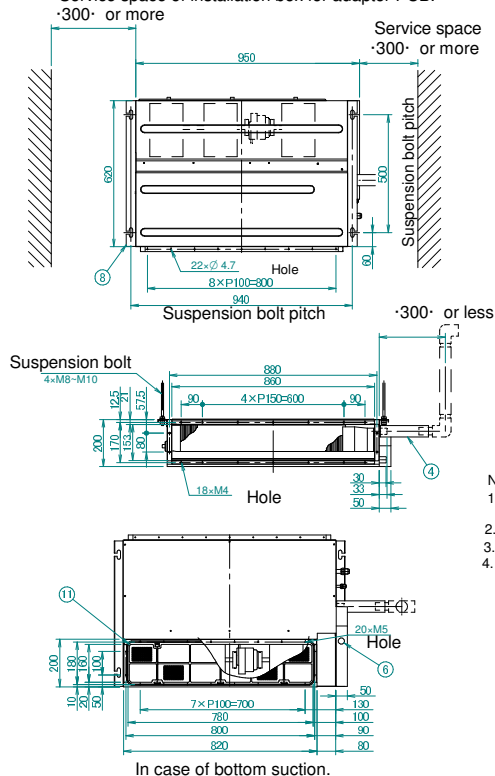
- Notes**
1. In case of rear suction, mount the chamber cover to the bottom side of the unit.
 2. In case of bottom suction, mount the chamber cover to the backside of the unit.
 3. In case of bottom suction, no service space is required at the rear side.
 4. The unit nameplate is located on the control box cover.
 5. 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	Name	Description
1	Liquid pipe connection port	66.4 Flare connection
2	Gas pipe connection port	2012.7 Flare connection
3	Drain hose (accessory)	VP-20 (ID ·20 × OD ·26 ·)
4	Control hose	Inside diameter ·25 · Outlet
5	Control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Maintenance cover	
10	Drain socket	
	Air filter (accessory)	

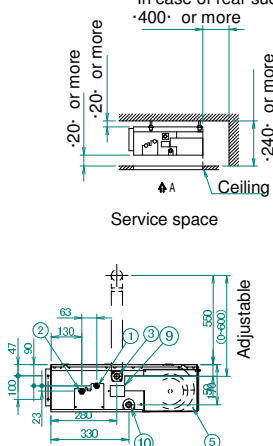
3D081435A

FXDQ40-50A3

Service space of installation box for adaptor PCB.



In case of rear suction.



Notes

1. In case of rear suction, mount the chamber cover to the bottom side of the unit.
In case of bottom suction, mount the chamber cover to the backside of the unit.
 2. In case of bottom suction, no service space is required at the rear side.
 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	Name	Description
1	Liquid pipe connection port	Φ6.4 Flare connection
2	Gas pipe connection port	Φ12.7 Flare connection
3	Drain pipe connection	VP-20: (ID :20- x OD :26-)
4	Drain hose (accessory)	Inside diameter: ·25- Outlet
5	Control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Maintenance cover	
10	Drain socket	
11	Air filter (accessory)	

3D081436A

6 Dimensional drawings

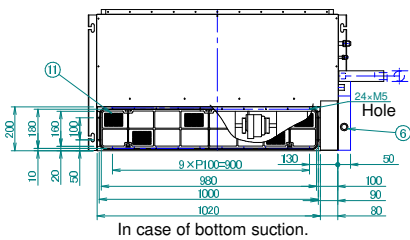
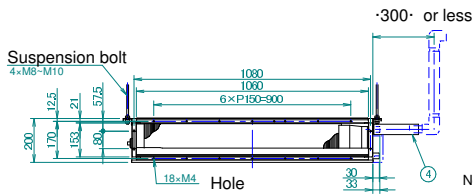
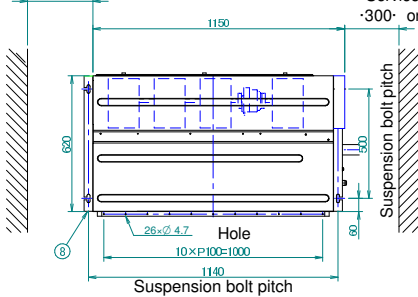
6 - 1 Dimensional Drawings

FXDQ63A3

Service space of installation box for adaptor PCB.

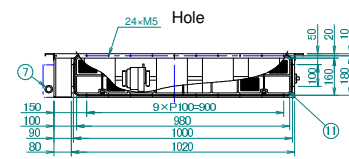
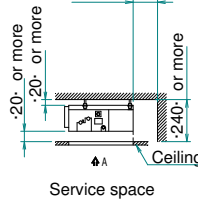
·300· or more

Service space
·300· or more

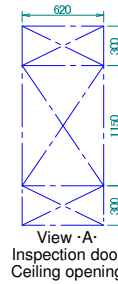


In case of rear suction.

·400· or more



In case of rear suction.



Notes

1. In case of rear suction, mount the chamber cover to the bottom side of the unit.
 2. In case of bottom suction, mount the chamber cover to the backside of the unit.
 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.

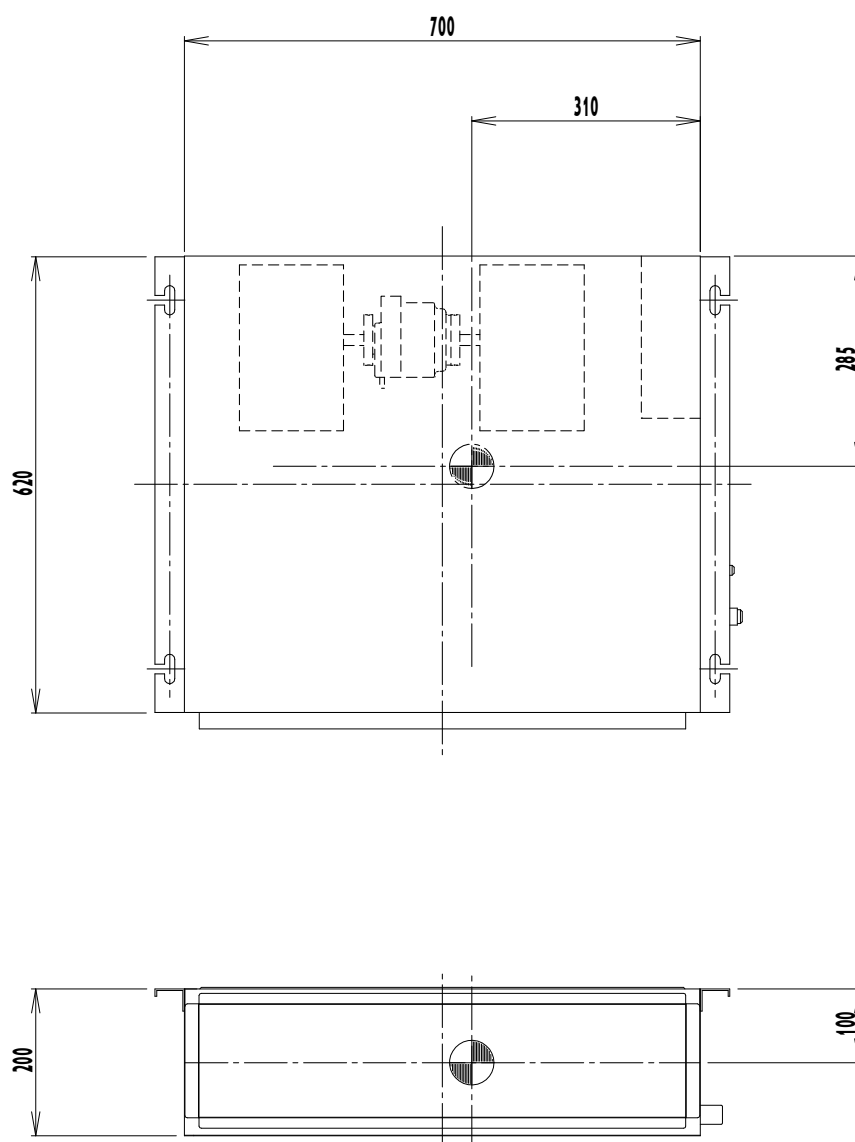
Item	Name	Description
1	Liquid pipe connection port	φ9.5 Flare connection
2	Gas pipe connection port	φ15.9 Flare connection
3	Drain pipe connection	VP-20 (ID:20 x OD:26)
4	Drain hose (accessory)	Inside diameter: 25 Outlet
5	Control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Maintenance cover	
10	Drain socket	
11	Air filter (accessory)	

3D081441A

7 Centre of gravity

7 - 1 Centre of Gravity

FXDQ15-32A3

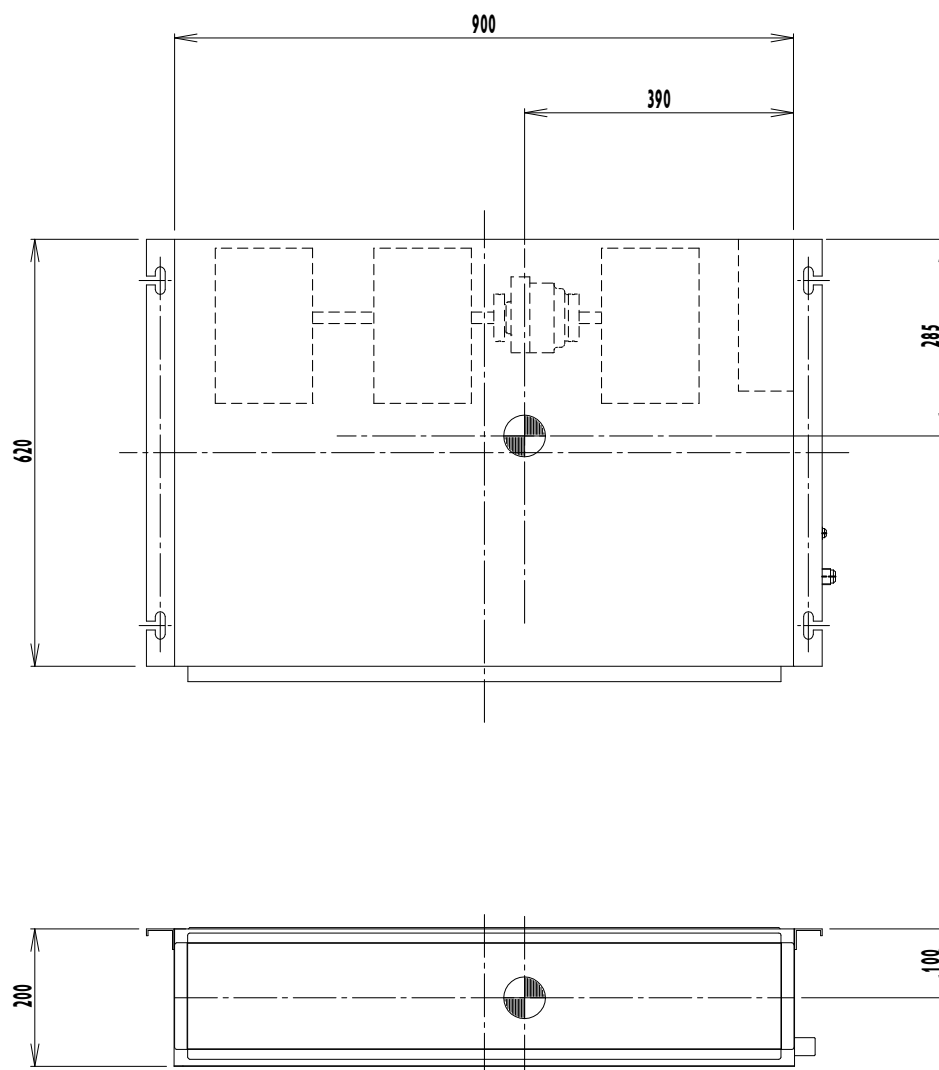


4D081430B

7 Centre of gravity

7 - 1 Centre of Gravity

FXDQ40-50A3

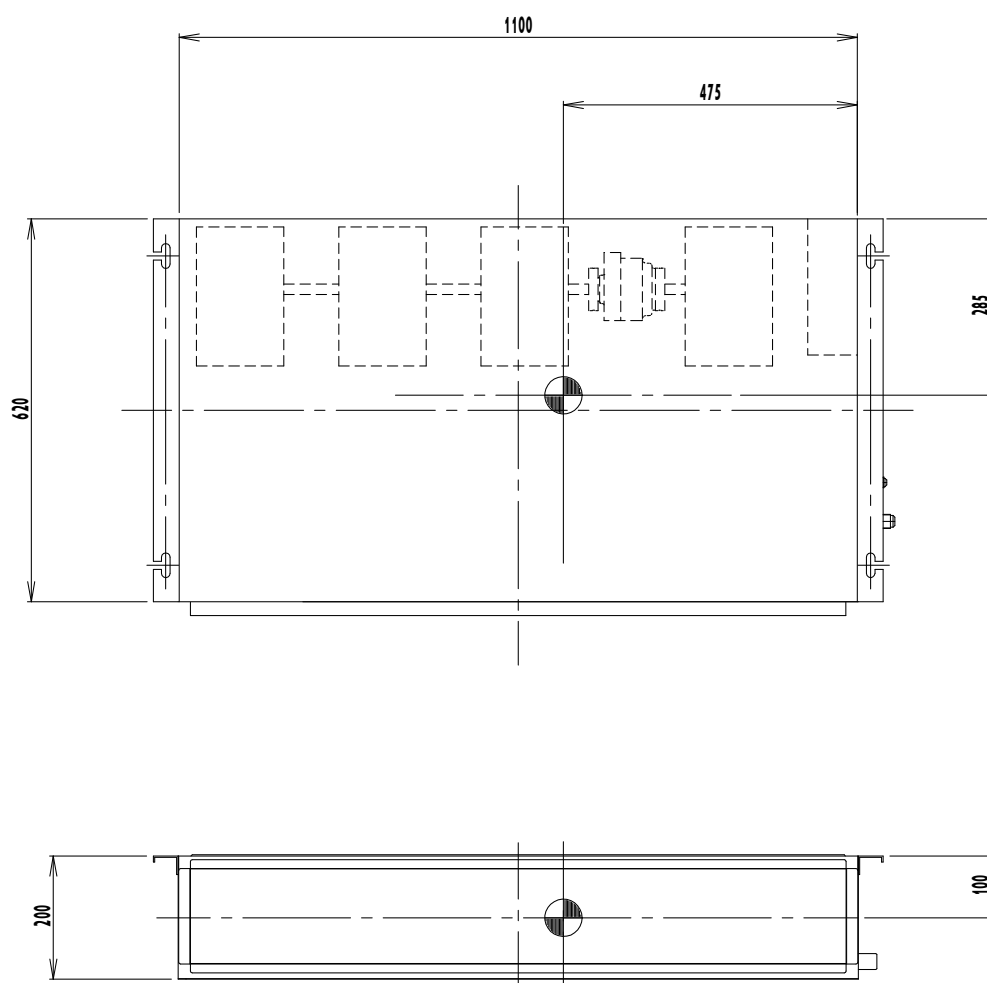


4D081431B

7 Centre of gravity

7 - 1 Centre of Gravity

FXDQ63A3

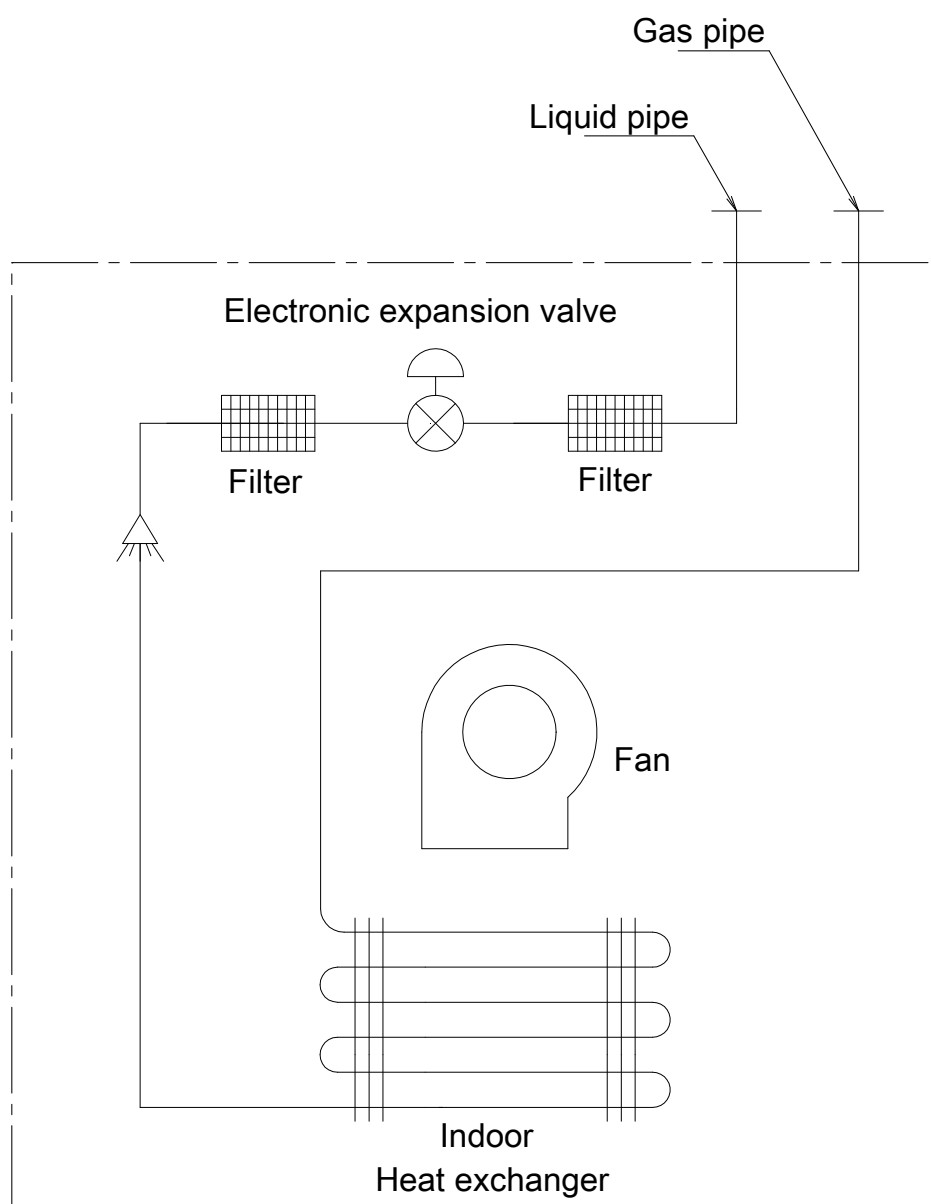


4D081433B

8 Piping diagrams

8 - 1 Piping Diagrams

FXDQ-A3



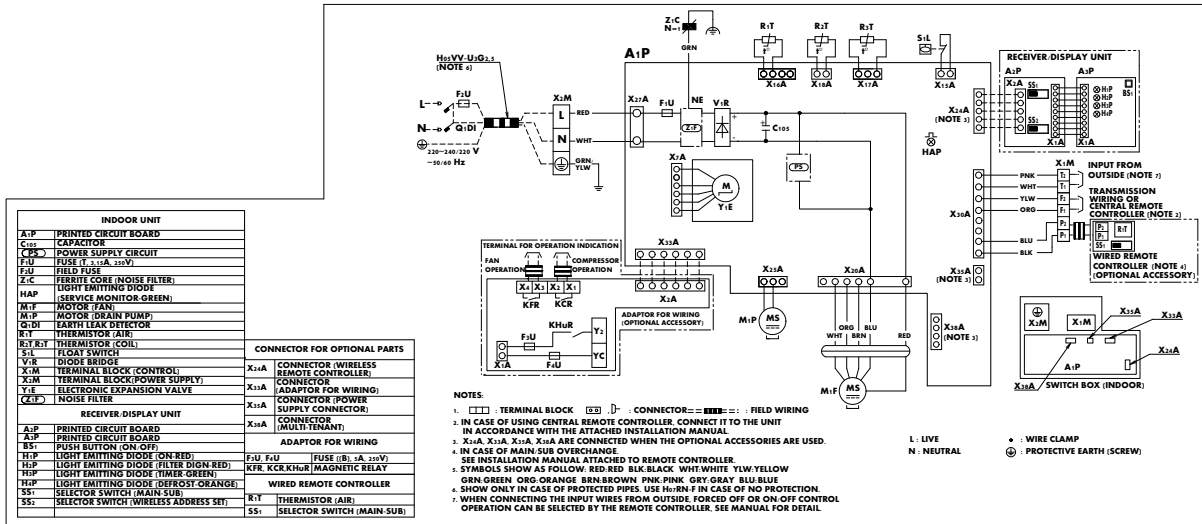
4D081336B

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXDQ-A3

9

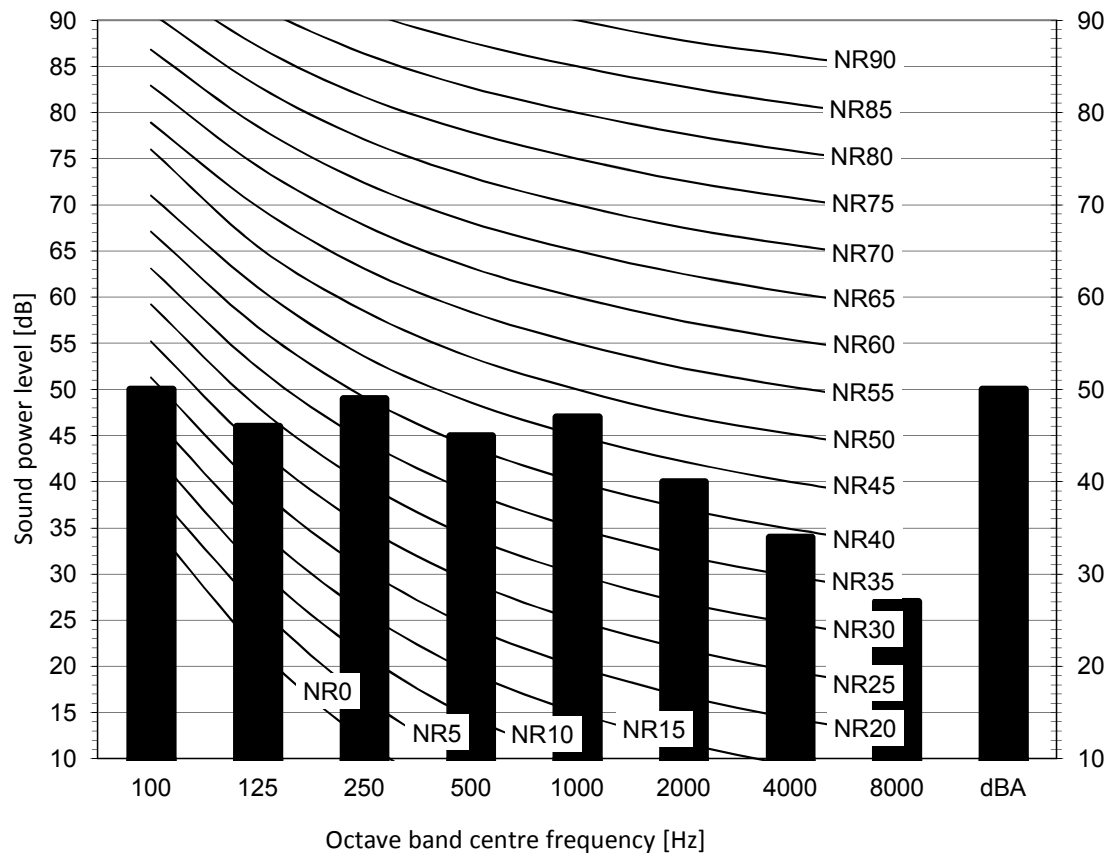


3D080362E

10 Sound data

10 - 1 Sound Power Spectrum

FDXQ15A3



Notes

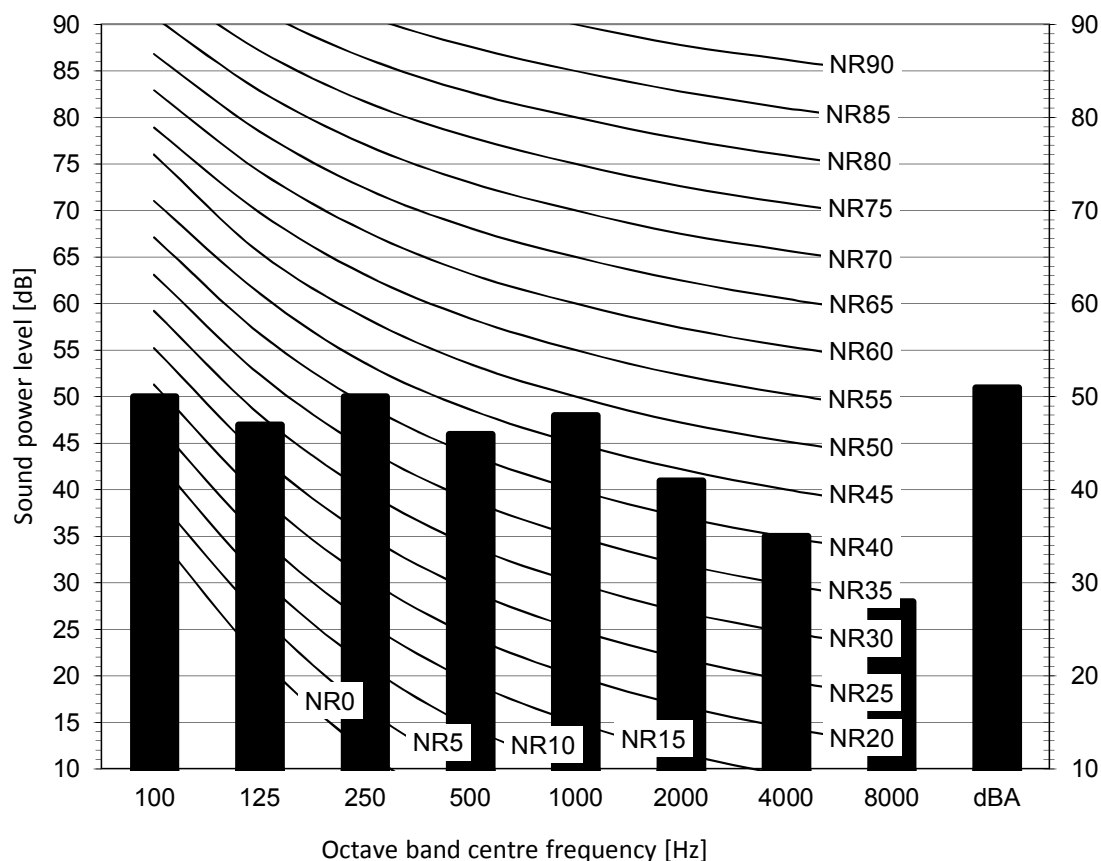
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6\mu W/m^2$
- 3 Measured according to ISO 3744

4D088131

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ20A3



Notes

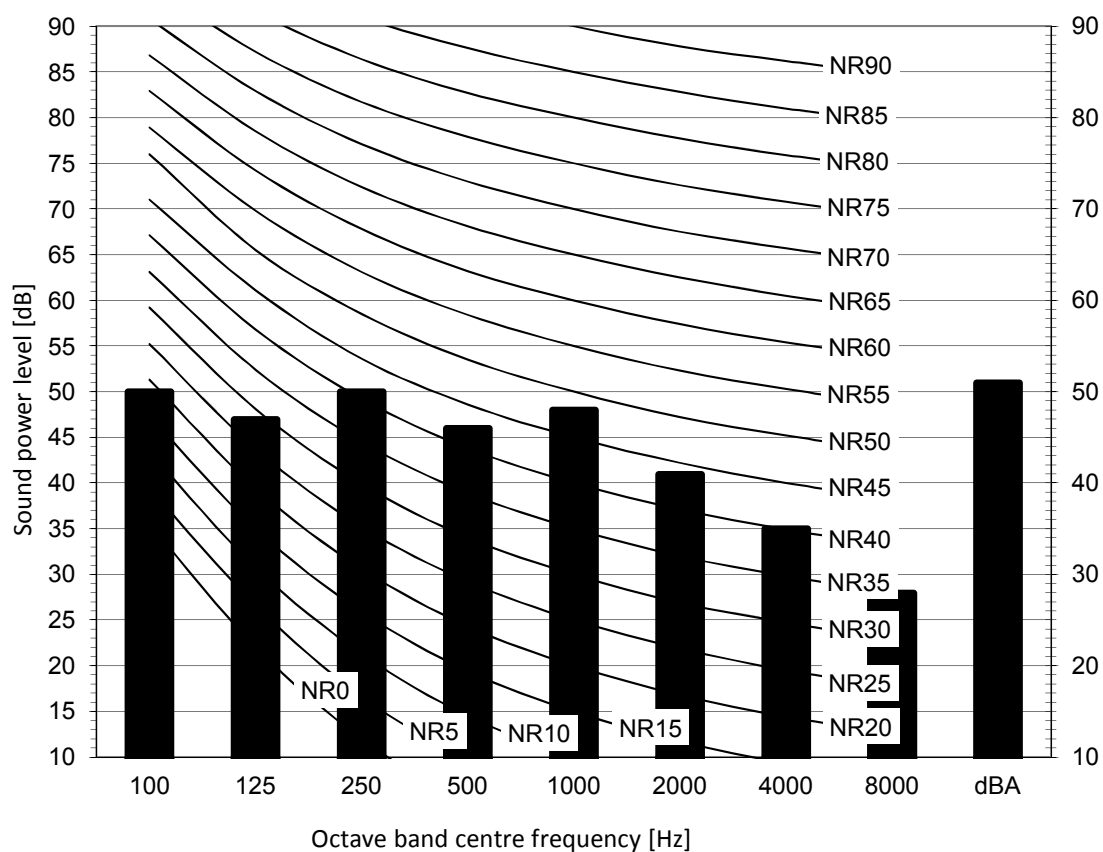
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10^{-6} W/m^2
- 3 Measured according to ISO 3744

4D088132

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ25A3



Notes

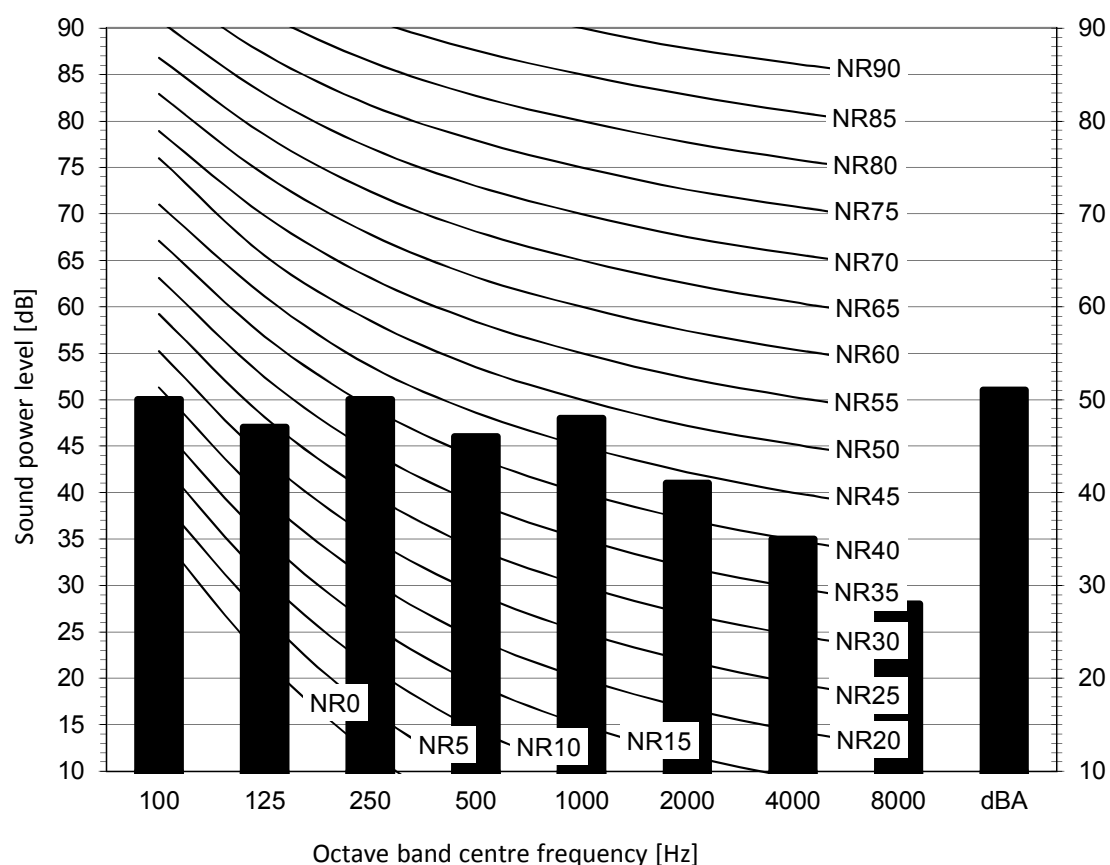
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10^{-6} W/m^2
- 3 Measured according to ISO 3744

4D088133

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ32A3



Notes

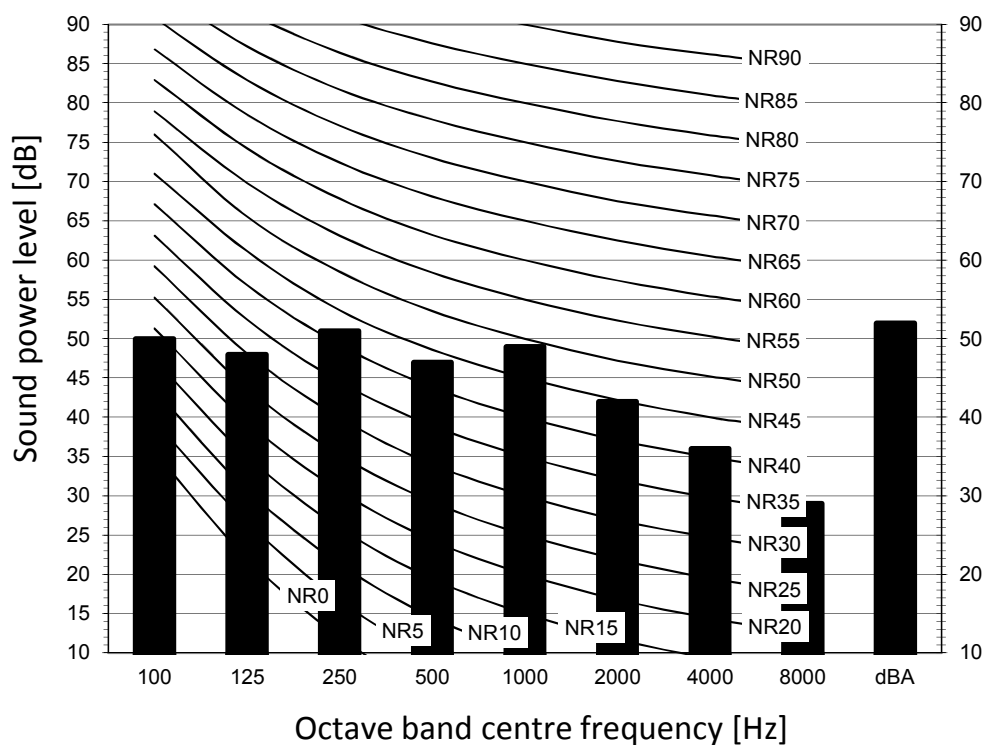
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10E-6Wμ/m2
- 3 Measured according to ISO 3744

4D088134

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ40A3



Notes

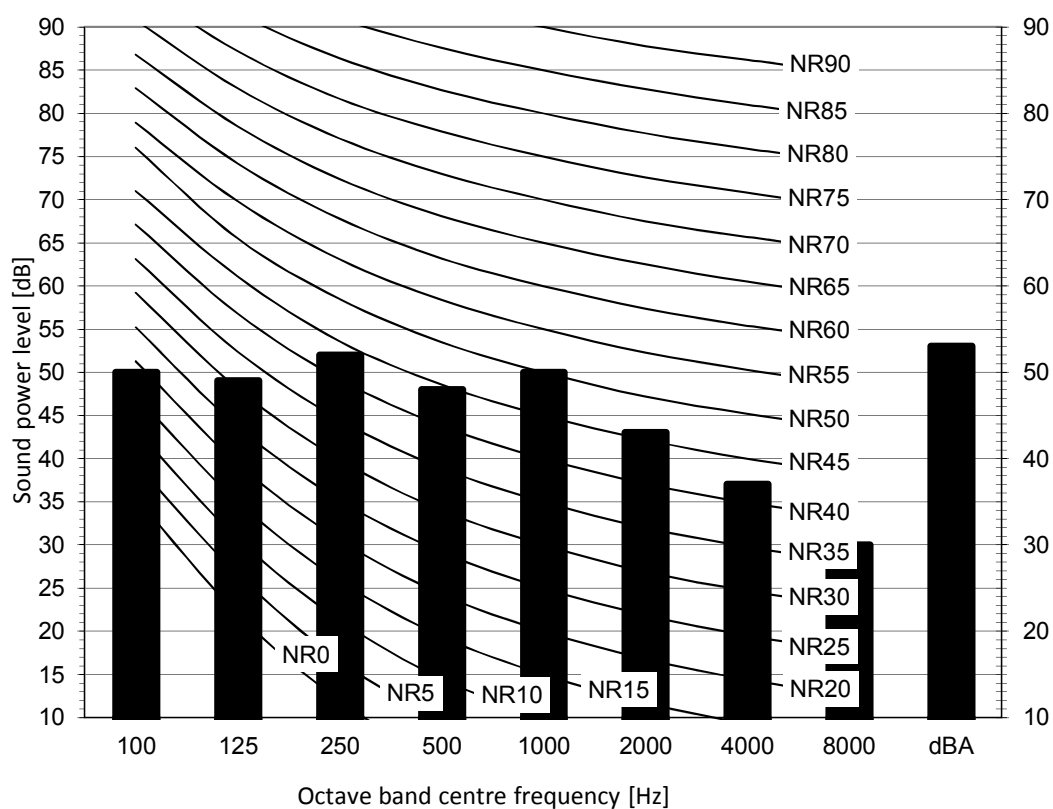
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088135

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ50A3



Notes

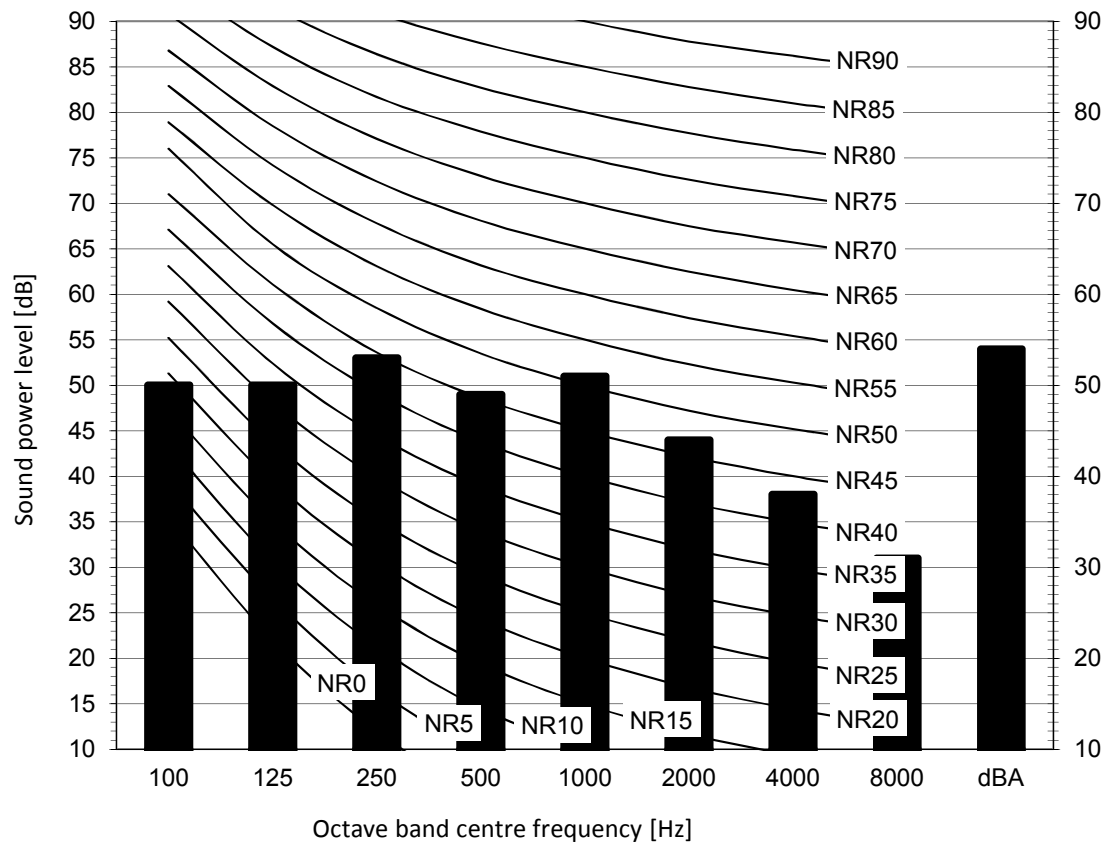
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10^{-6} W/m^2
- 3 Measured according to ISO 3744

4D088136

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ63A3



Notes

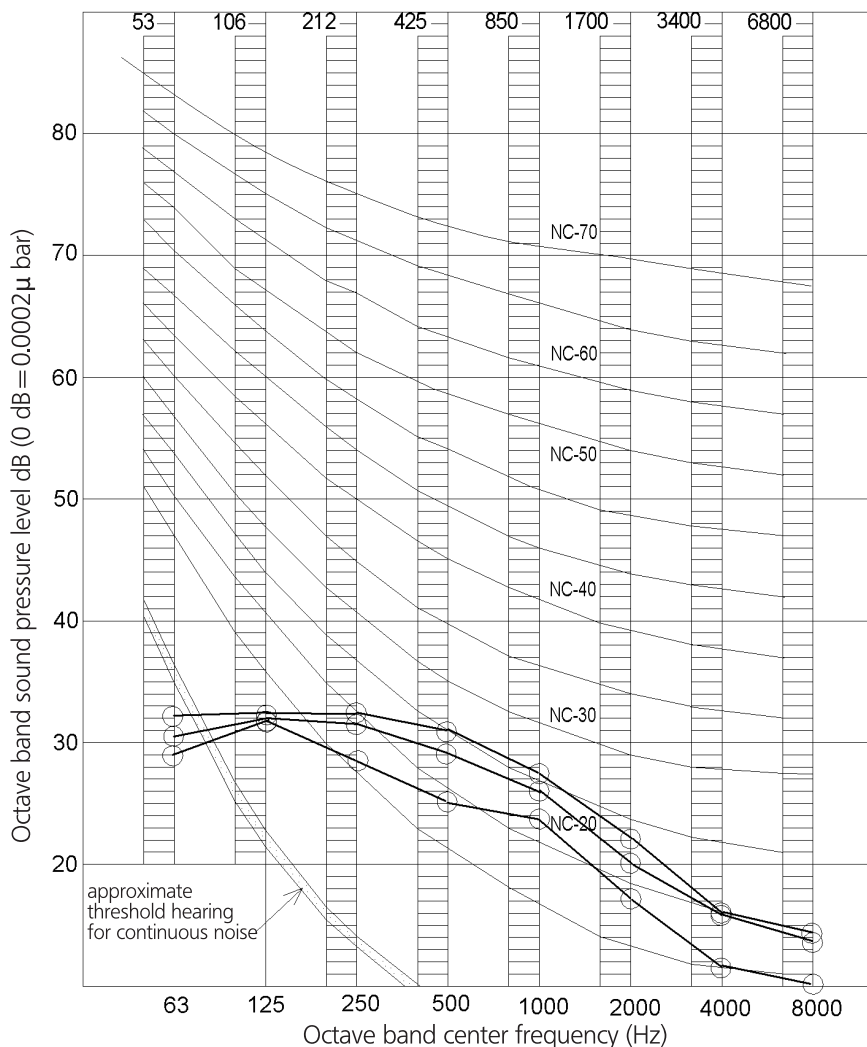
- 1 dBA = A-weighted sound power level (A scale according to
- 2 IEC). Reference acoustic intensity 0dB = 10E-6Wμ/m2
- 3 Measured according to ISO 3744

4D088137

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ15A3



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	32	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

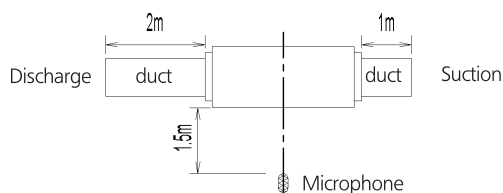
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

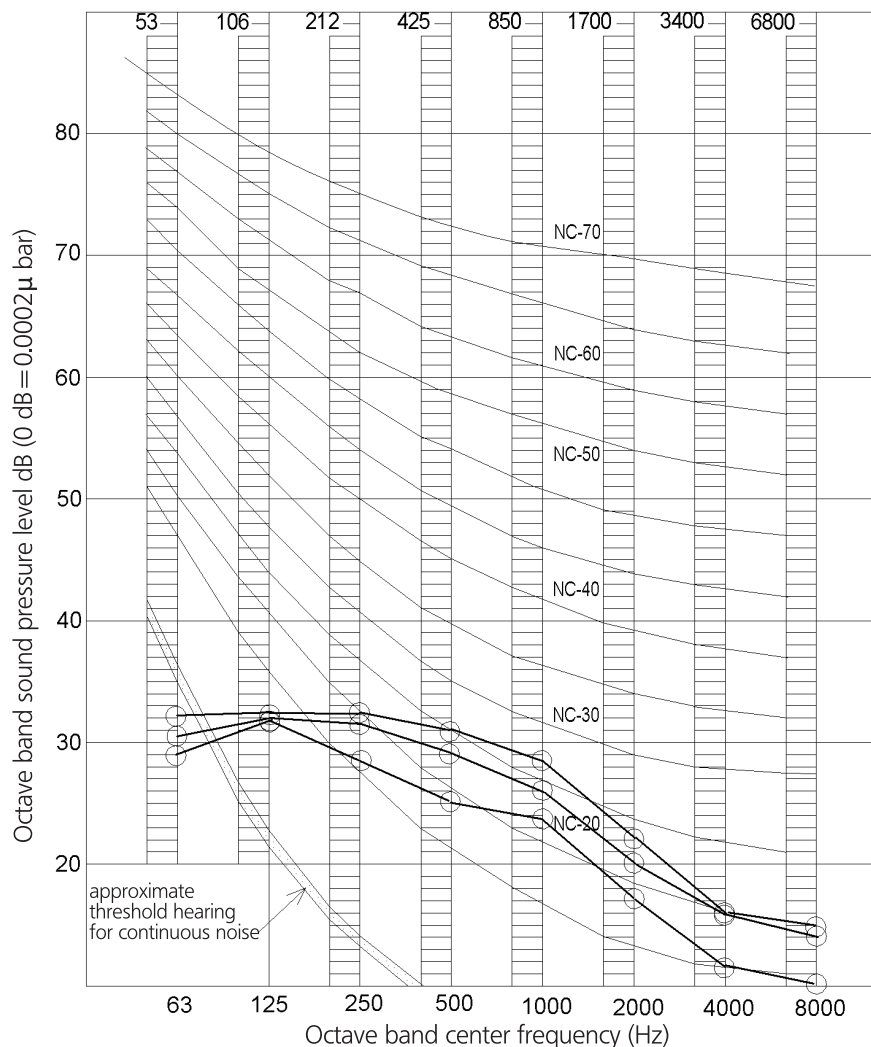


4D081438

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ20A3



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

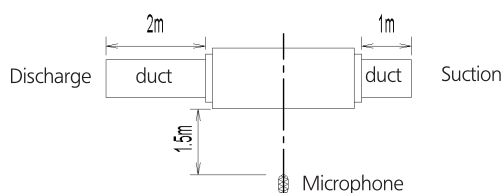
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



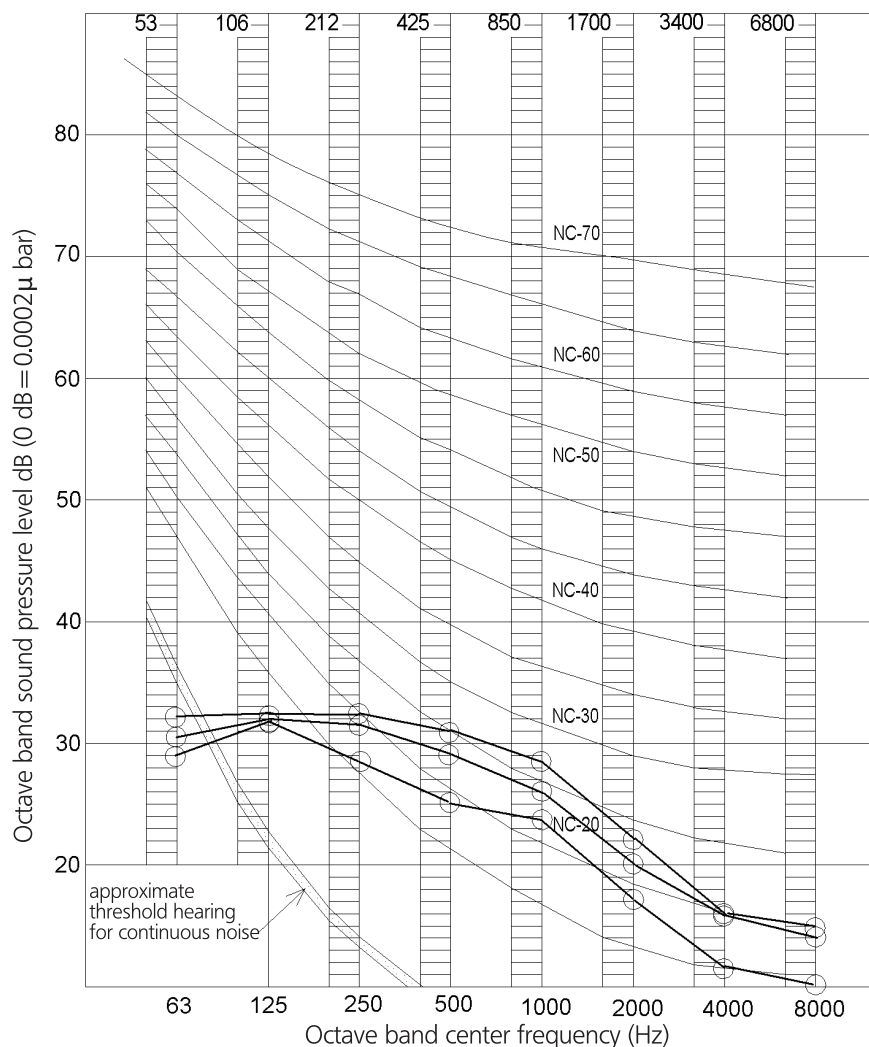
4D081439

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ25A3

10



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

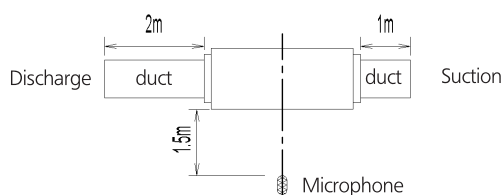
3 Operation noise differs with operation and ambient conditions.

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:

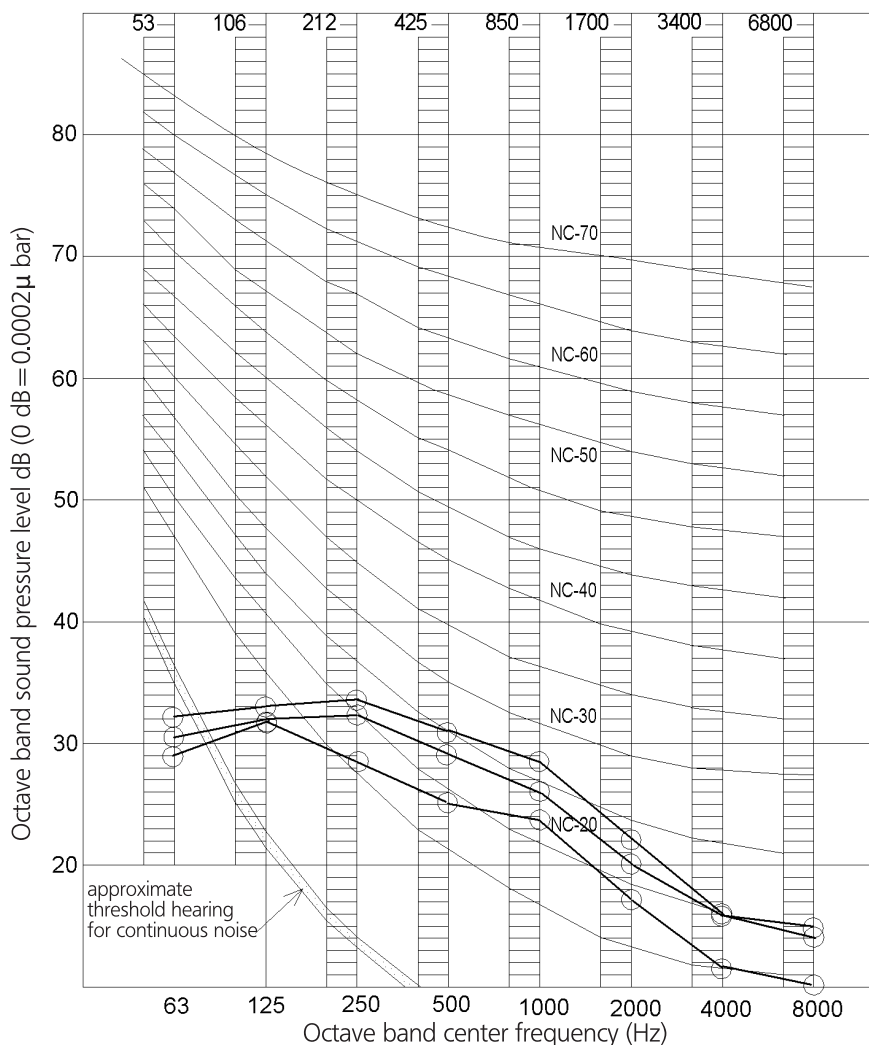


4D081440

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ32A3



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

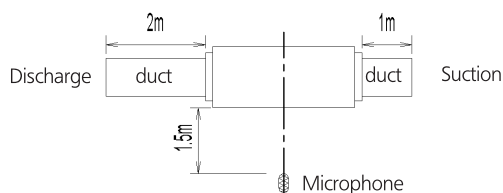
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



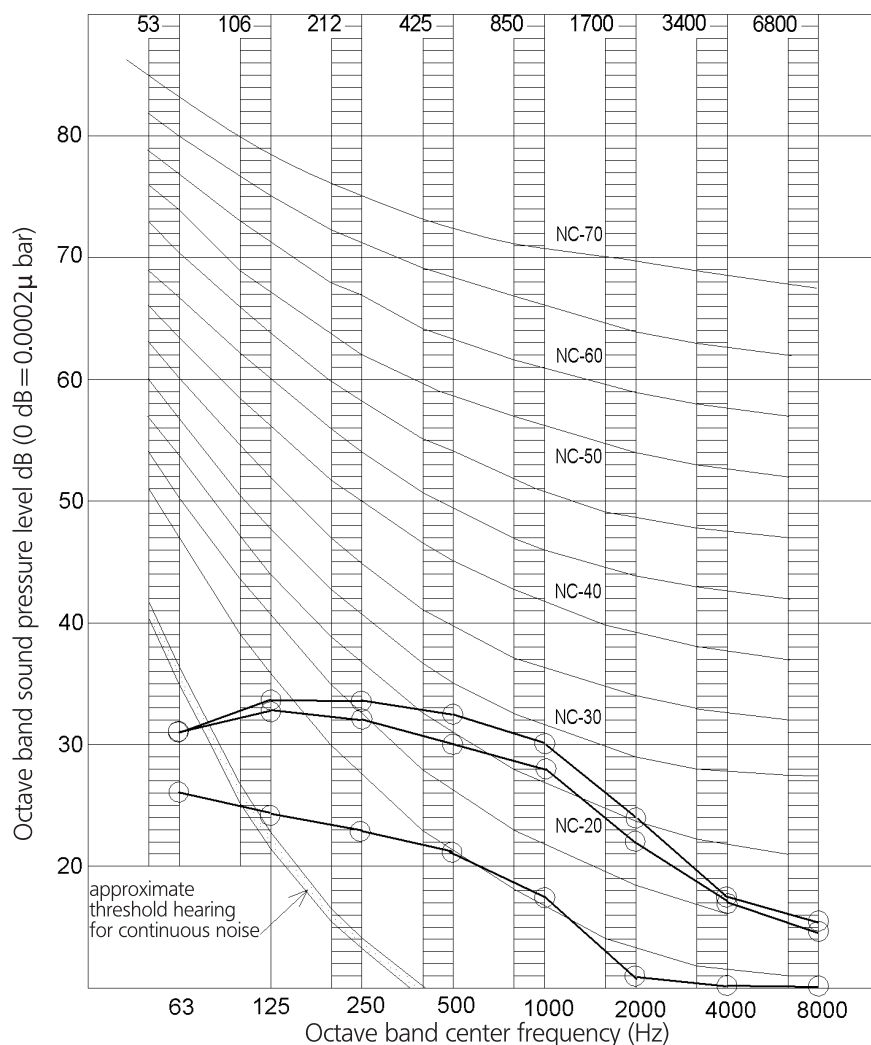
4D081442

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ40A3

10



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

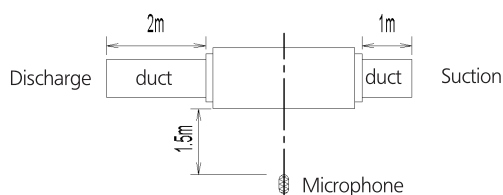
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

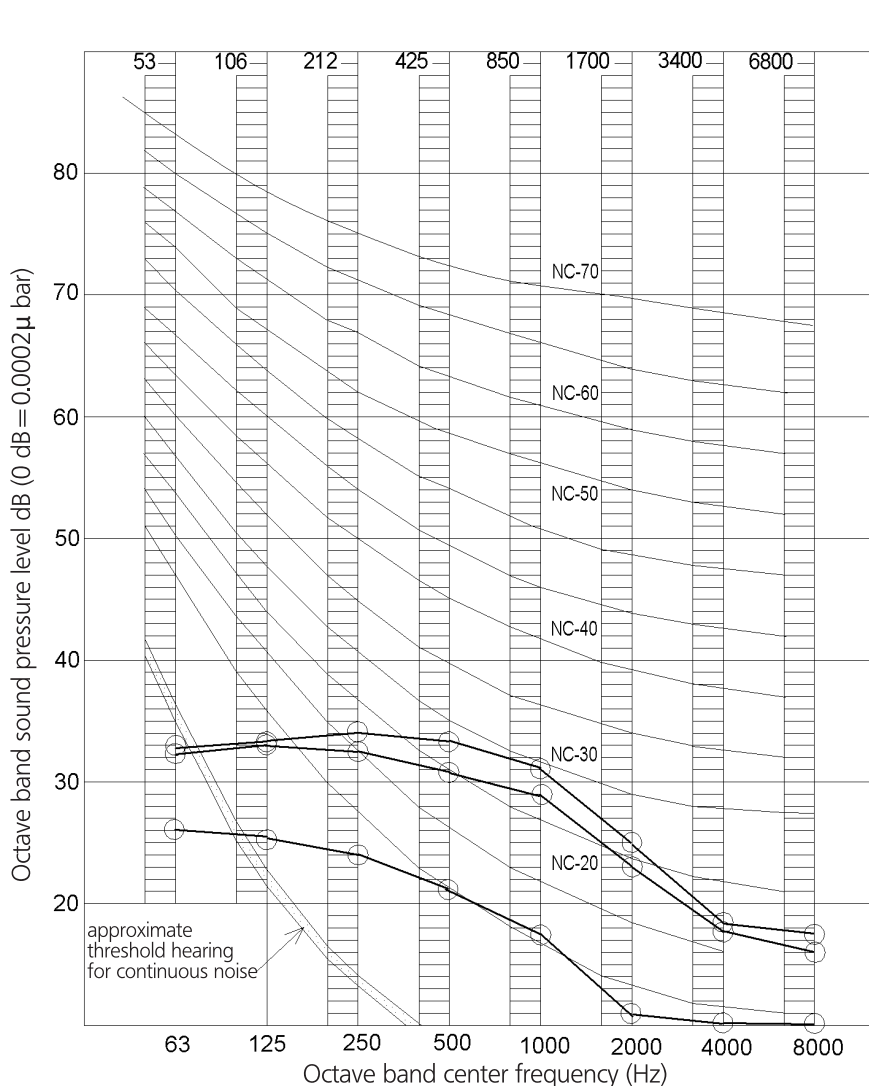


4D081443

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ50A3



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

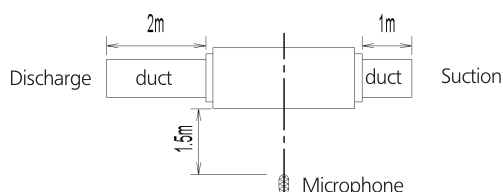
3 Operation noise differs with operation and ambient conditions.

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:

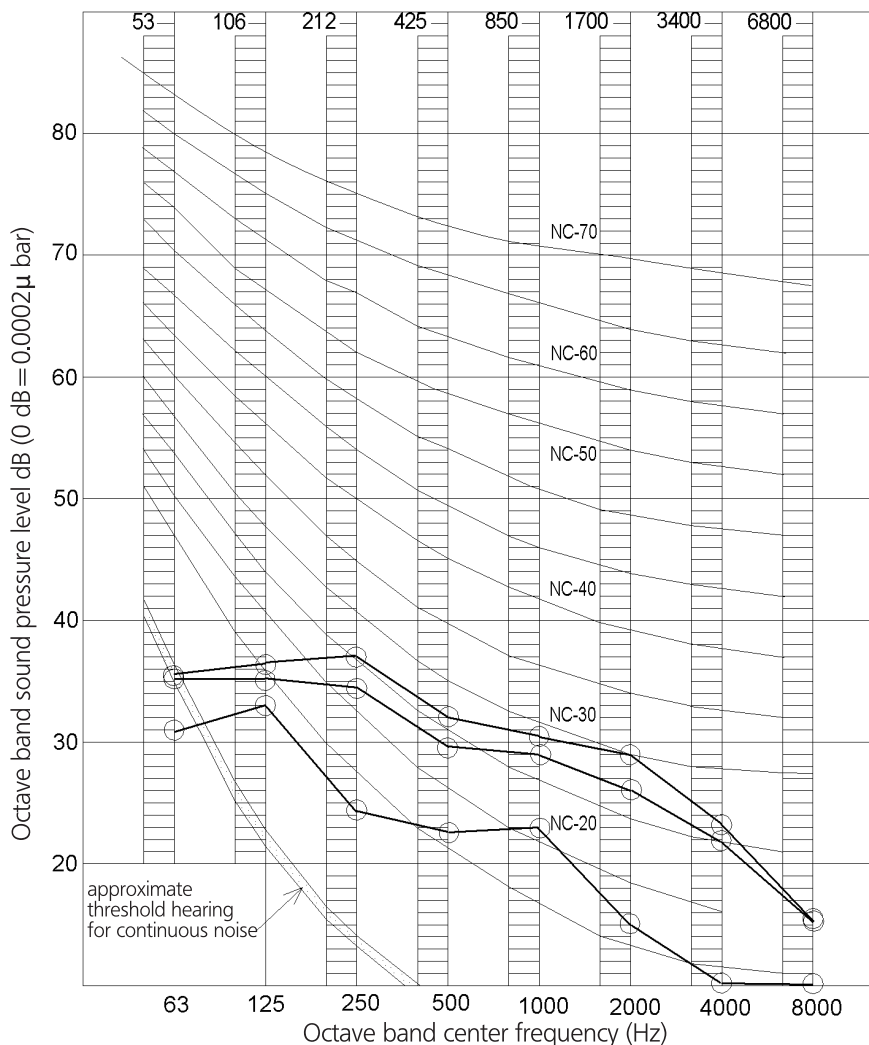


4D081444

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ63A3



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

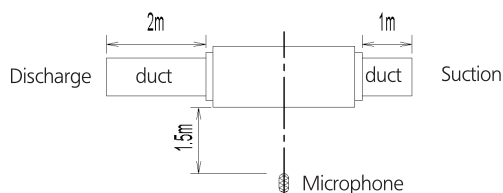
3 Operation noise differs with operation and ambient conditions.

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:

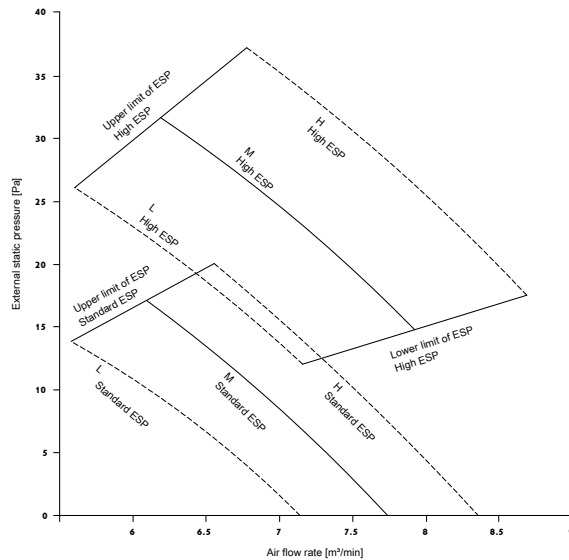


4D081445

11 Fan characteristics

11 - 1 Fan Characteristics

FXDQ15A3

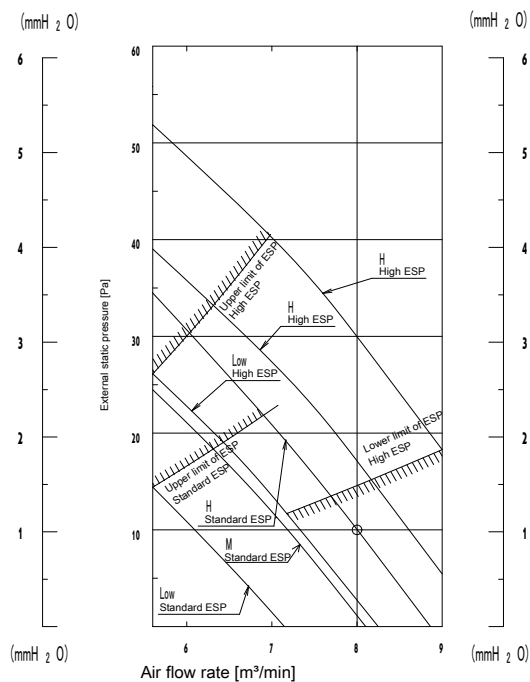


Notes

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.

3D081424C

FXDQ20-25A3



Notes

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

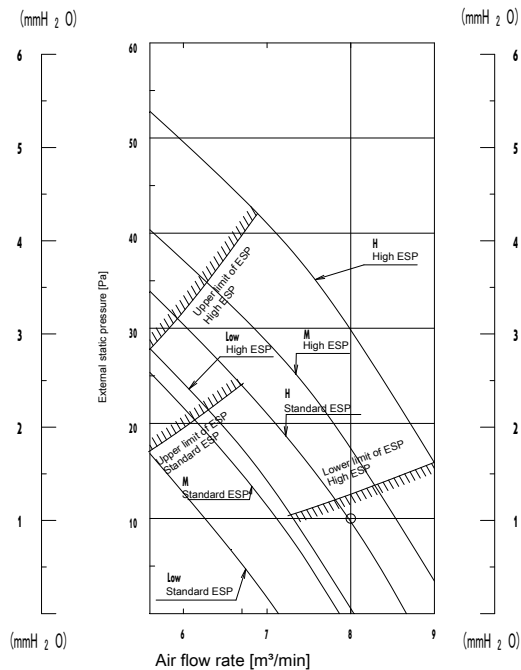
The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D086736B

11 Fan characteristics

11 - 1 Fan Characteristics

FXDQ32A3



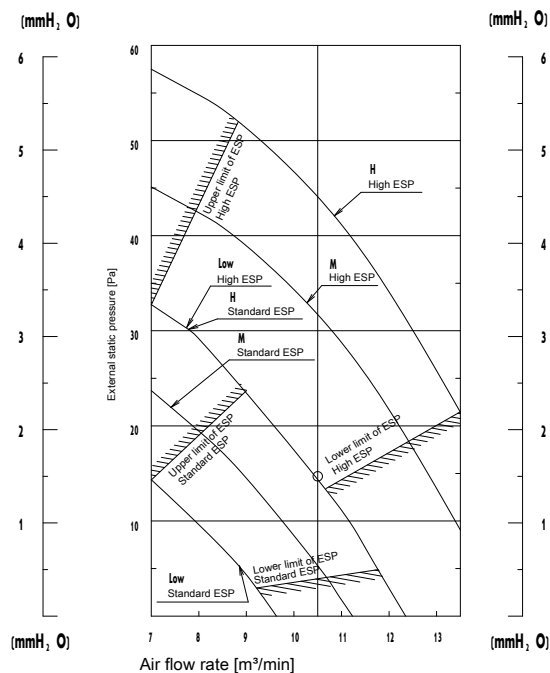
Notes

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

FXDQ40A3



Notes

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

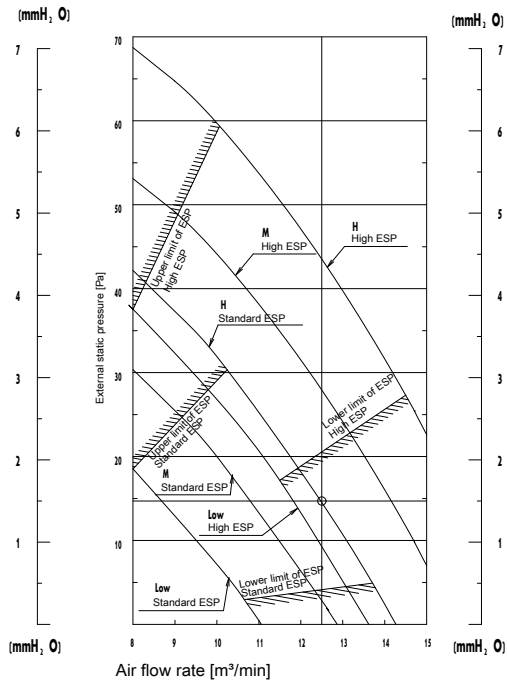
The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081426C

11 Fan characteristics

11 - 1 Fan Characteristics

FXDQ50A3



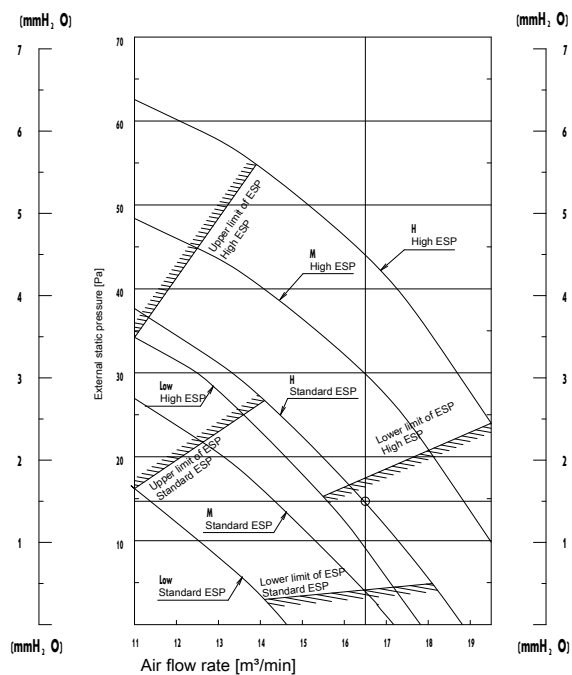
Notes

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

FXDQ63A3

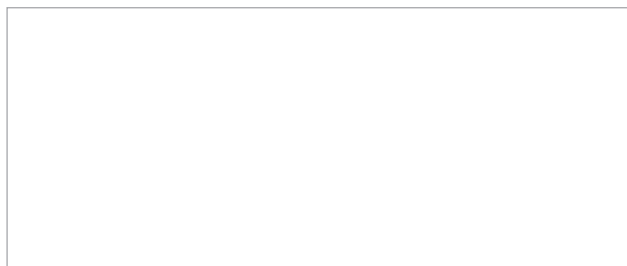


Notes

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



EEDEN22A

06/2022



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