



Slim concealed ceiling unit

Air Conditioning Technical
Data

FXDQ-A3



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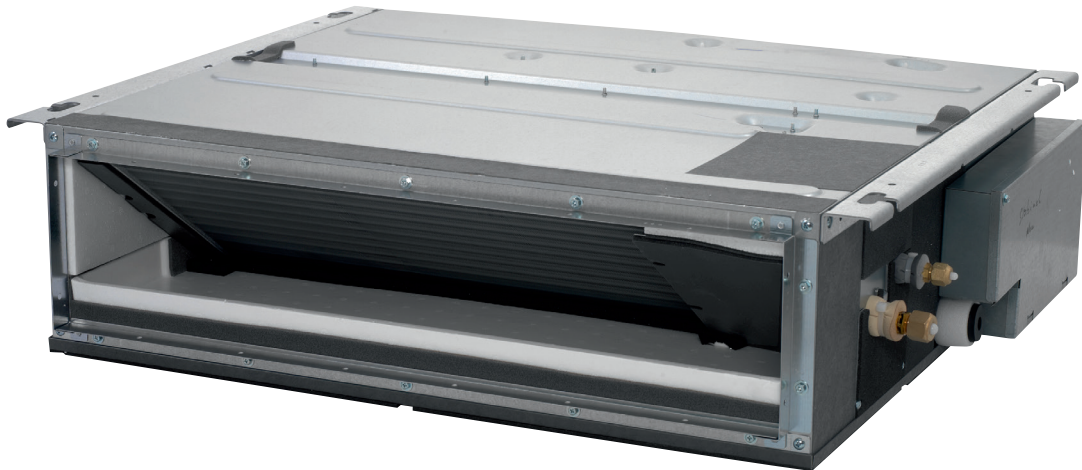
FXDQ-A3

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1 Features

1 - 1 FXDQ-A3

- › 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 750mm lift increases flexibility and installation speed



Auto-cleaning filter



Multi zoning



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 FXDQ-A3

Technical Specifications				FXDQ15A3	FXDQ20A3	FXDQ25A3	FXDQ32A3	FXDQ40A3	FXDQ50A3
Cooling capacity	Sensible capacity	Nom.	kW	1.50	1.90	2.10	2.60	3.30	4.00
	Latent capacity	Nom.	kW	0.200	0.300	0.700	1.00	1.20	1.60
	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	Nom.	kW	0.071				0.078	0.099
	Heating	Nom.	kW	0.068				0.075	0.096
Power input - 60Hz	Cooling	Nom.	kW	0.071				0.078	0.099
	Heating	Nom.	kW	0.068				0.075	0.096
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				26.0		
	Packed unit	kg	24	25			28	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	1.50					
	Passes	Quantity		3			6		
	Face area		m²	0.126				0.176	
	Stages	Quantity		12					
	Empty tubeplate hole	Quantity		-			4	-	
	Tube type			ø7 Hi-XD					
	Fin	Type		Symmetric waffle louver					
Fan	Type	Sirocco fan							
	Quantity	2							
	Air flow rate - 50Hz	Cooling	High	m³/min	7.5	8.0		10.5	12.5
			Medium	m³/min	7.00	7.20		9.50	11.0
			Low	m³/min	6.4			8.5	10.0
	External static pressure - 50Hz	High	Pa	30.0				44.0	
		Nom.	Pa	10				15	
	External static pressure - 60Hz	High	Pa	30				44	
	Nom.	Pa	10				15		
Fan motor	Quantity	1							
	Model	KFD-280-44-8A						KFD-280-65-8A	
Refrigerant	Type	R-410A							
	GWP	2,087.5							
	Control	Electronic expansion valve							
Sound power level	Cooling	High	dB(A)	50	51			52	53
Sound pressure level	Cooling	High	dB(A)	32.0	33.0			34.0	35.0
		Nom.	dB(A)	31.0			32.0	33.0	
		Low	dB(A)	27.0			28.0	29.0	
Piping connections	Liquid	Type	Flare connection						
		OD	mm	6.35					
Piping connections	Gas	Type	Flare connection						
		OD	mm	12.7					
Piping connections	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			BRC1H519W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					

Technical Specifications				FXDQ63A3					
Cooling capacity	Sensible capacity	Nom.	kW	4.90					
	Latent capacity	Nom.	kW	2.20					
	Total capacity	Nom.	kW	7.10					
Heating capacity	Total capacity	Nom.	kW	8.00					

2 Specifications

1 - 1 FXDQ-A3

2

Technical Specifications					FXDQ63A3
Power input - 50Hz	Cooling	Nom.	kW		0.110
	Heating	Nom.	kW		0.107
Power input - 60Hz	Cooling	Nom.	kW		0.110
	Heating	Nom.	kW		0.107
Dimensions	Unit	Height	mm		200
		Width	mm		1,150
		Depth	mm		620
	Packed unit	Height	mm		260
		Width	mm		1,322
		Depth	mm		768
Weight	Unit		kg		29.0
	Packed unit		kg		33
Casing	Colour				Not painted (galvanised)
	Material				Galvanised steel
Required ceiling void >			mm		240
Heat exchanger	Inside length		mm		900
	Rows	Quantity			3
	Fin pitch		mm		1.50
	Passes	Quantity			6
	Face area		m ²		0.227
	Stages	Quantity			12
	Tube type				ø7 Hi-XD
	Fin	Type			Symmetric waffle louvre
Fan	Type				Sirocco fan
	Quantity				3
	Air flow rate - 50Hz	Cooling	High	m ³ /min	16.5
			Medium	m ³ /min	14.5
			Low	m ³ /min	13.0
	External static pressure - 50Hz	High		Pa	44.0
		Nom.		Pa	15
	External static pressure - 60Hz	High		Pa	44
		Nom.		Pa	15
Fan motor	Quantity				1
	Model				KFD-280-65-8A
Refrigerant	Type				R-410A
	GWP				2,087.5
	Control				Electronic expansion valve
Sound power level	Cooling	High		dB(A)	54
Sound pressure level	Cooling	High		dB(A)	36.0
		Nom.		dB(A)	34.0
		Low		dB(A)	30.0
Piping connections	Liquid	Type			Flare connection
		OD	mm		9.52
	Gas	Type			Flare connection
		OD	mm		15.9
Piping connections	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				BRC1H519W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52

Electrical Specifications				FXDQ15A3	FXDQ20A3	FXDQ25A3	FXDQ32A3	FXDQ40A3	FXDQ50A3
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
	Maximum fuse amps (MFA)		A			16			
	Full load amps (FLA) Total		A		0.3				0.4
Current - 60Hz	Minimum circuit amps (MCA)		A		0.4				0.5
	Maximum fuse amps (MFA)		A			16			
	Full load amps (FLA) Total		A		0.3				0.4

Electrical Specifications				FXDQ63A3					
Power supply	Name							VE	
	Phase							1~	
	Frequency		Hz					50/60	
	Voltage		V					220-240/220	

2 Specifications

1 - 1 FXDQ-A3

Electrical Specifications			FXDQ63A3
Current - 50Hz	Minimum circuit amps (MCA)	A	0.6
	Maximum fuse amps (MFA)	A	16
	Full load amps (FLA) Total	A	0.5
Current - 60Hz	Minimum circuit amps (MCA)	A	0.6
	Maximum fuse amps (MFA)	A	16
	Full load amps (FLA) Total	A	0.5

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) |

The operation sound levels are conversion values in anechoic chamber. In practice, sound levels tend to be higher than the specified values due to ambient noise or reflection. The sound level will increase by ± 5dBA when the suction place is changed to bottom suction. |

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

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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
Individual control systems	Wired remote control	BRC1D52/BRC1D61(1)/BRC1E53A7(6)/BRC1E53B7(7)/BRC1E53C7(8)(9)	✓	✓	✓
	Simplified remote control	BRC2E52C(3)(9)	✓	✓	✓
	Stylish remote control	BRC4C65	✓	✓	✓
	Remote control for hotel use	BRC3E52C(3)(9)	✓	✓	✓
	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	KRP501-4B	✓	✓	✓
	Remote sensor	KRP18A101	✓	✓	✓
	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 Must be installed on the outdoor unit	DTA114A61	✓	✓	✓
	Adaptor for multi-tenant applications	KDT25N32/KDT25N50/KDT25N63	✓	✓	✓
	Insulation kit for high humidity	BRP7A54(4)	✓	✓	✓
	Digital input adaptor	BAE20A62	✓	X	X
	Auto cleaning filter - Small	BAE20A82	X	✓	X
	Auto cleaning filter - Medium	BAE20A102	X	X	✓
	Auto cleaning filter - Large				

- ①: Only for DAME
 ②: For residential use only. Cannot be used with other centralised control equipment.
 ③: Included languages are:
 Language pack 1: English, German, French, Dutch, Spanish, Italian, and Portuguese.
 With PC cable EXPCAB3 in combination with the Updater PC software, you can additionally change the language to:
 Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian, and Slovenian.
 Language pack 3: English, Greek, Polish, Russian, Serbian, Slovak, and Turkish.
 ④: Only possible in combination with remote control BRC2/3E52C, BRC1E53A/B/C7.
 ⑤: Requires installation box for adaptor PCB.
 ⑥: Included languages are: English, German, French, Italian, Spanish, Portuguese, and Dutch.
 ⑦: Included languages are: English, Czech, Croatian, Hungarian, Slovenian, Romanian, and Bulgarian.
 ⑧: Included languages are: English, Russian, Greek, Turkish, Polish, Albanian, and Slovak.
 ⑨: Language pack 3 of controller BRC1E53C7 is different from that of controller BRC2/3E52C7.
 ⑩: Editable data for this drawing are available in the GDE (E-BOM) system.

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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		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	
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

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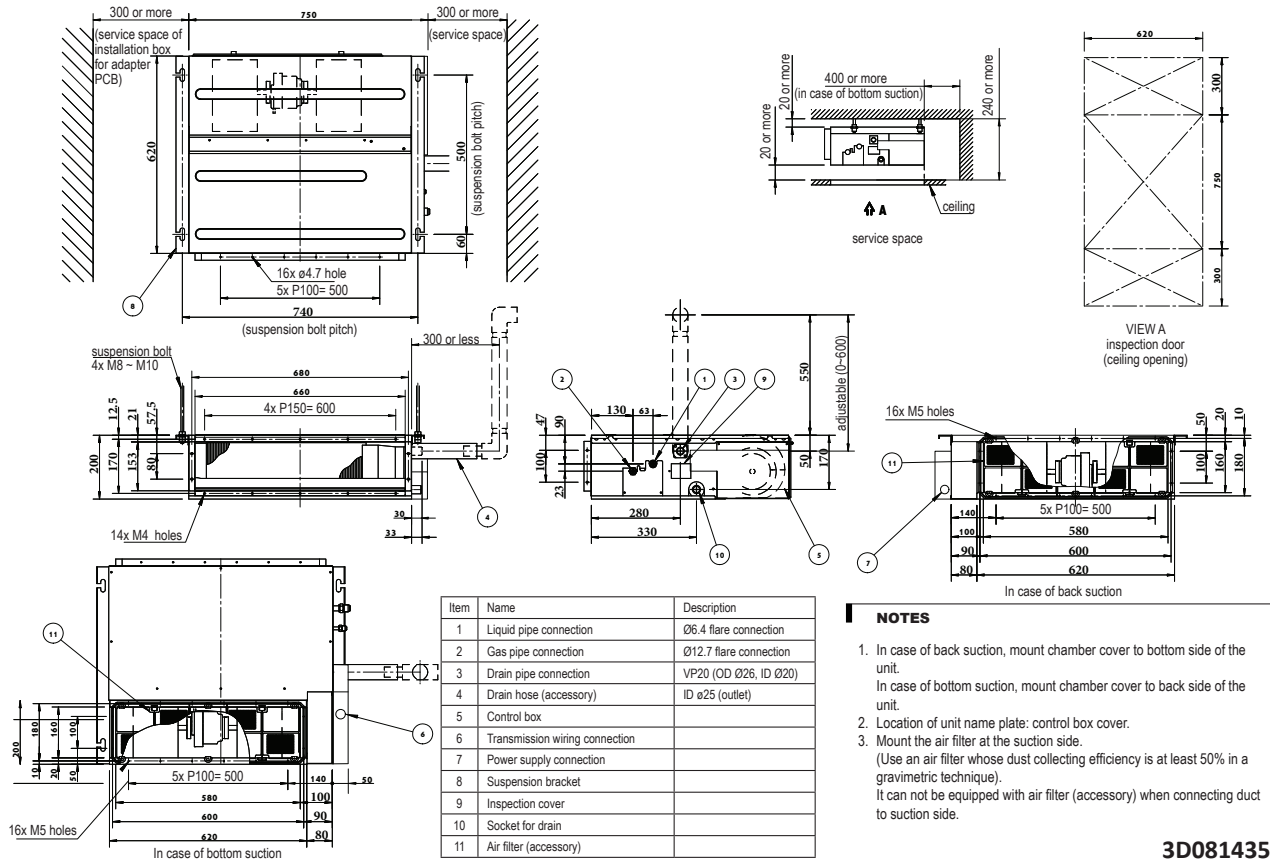
Unit size	Outdoor air temp.		On coil temp.: °C DB					
	°CDB	°CWB	16.0	18.0	20.0	21.0	22.0	24.0
40	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
	-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
	-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
	-13.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
	-11.8	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
	-9.8	-11.0	3.7	3.7	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	5.3	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
	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
50	-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
	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
63	-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

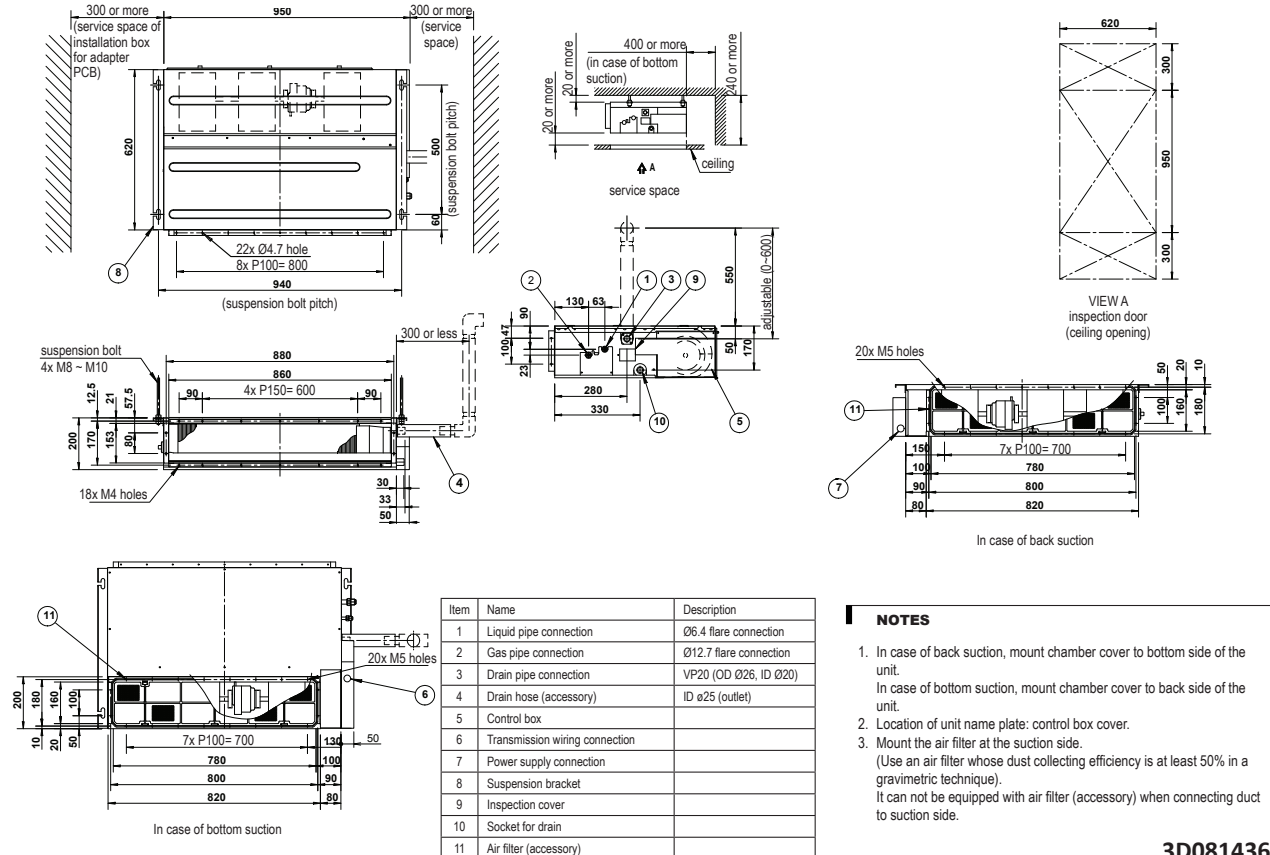
6 - 1 Dimensional Drawings

FXDQ15-32A3



3D081435

FXDQ40-50A3

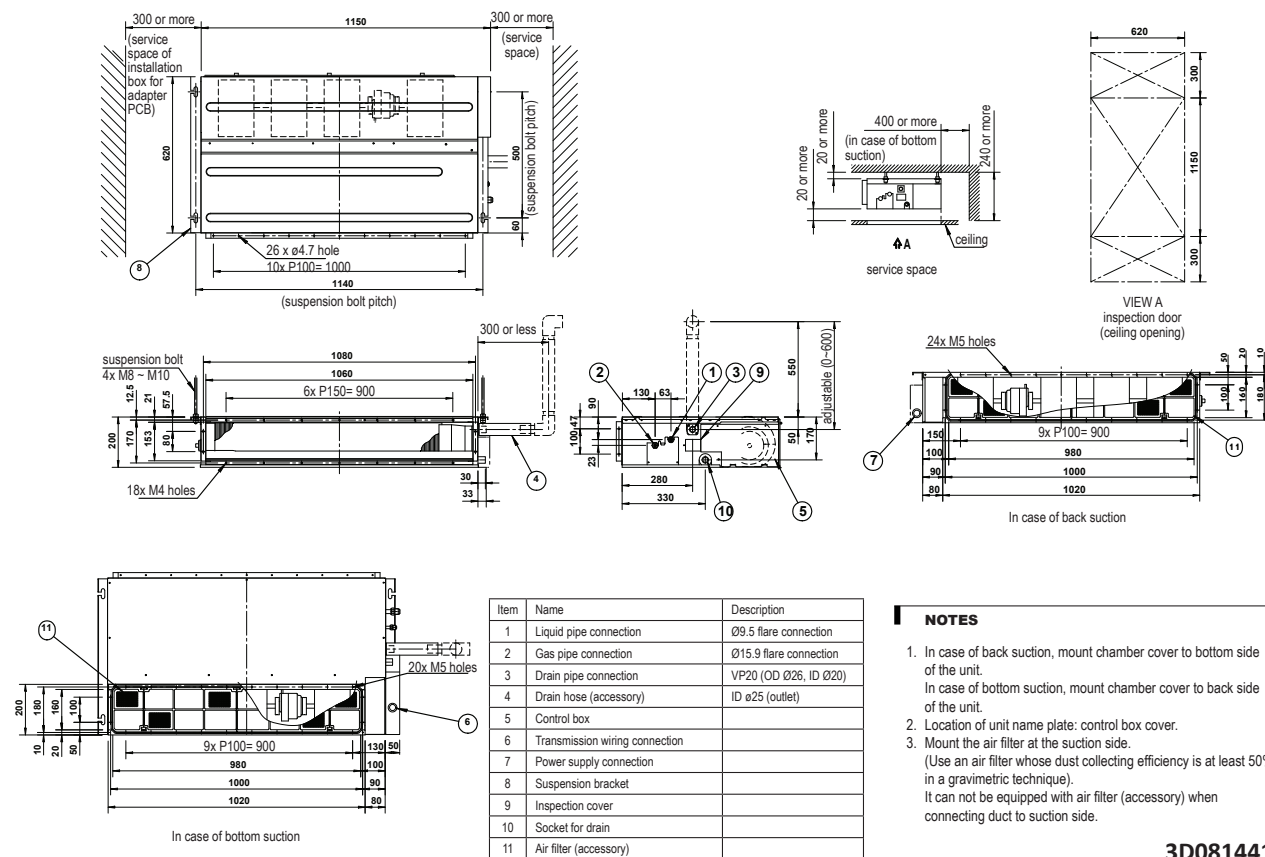


3D081436

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXDQ63A3

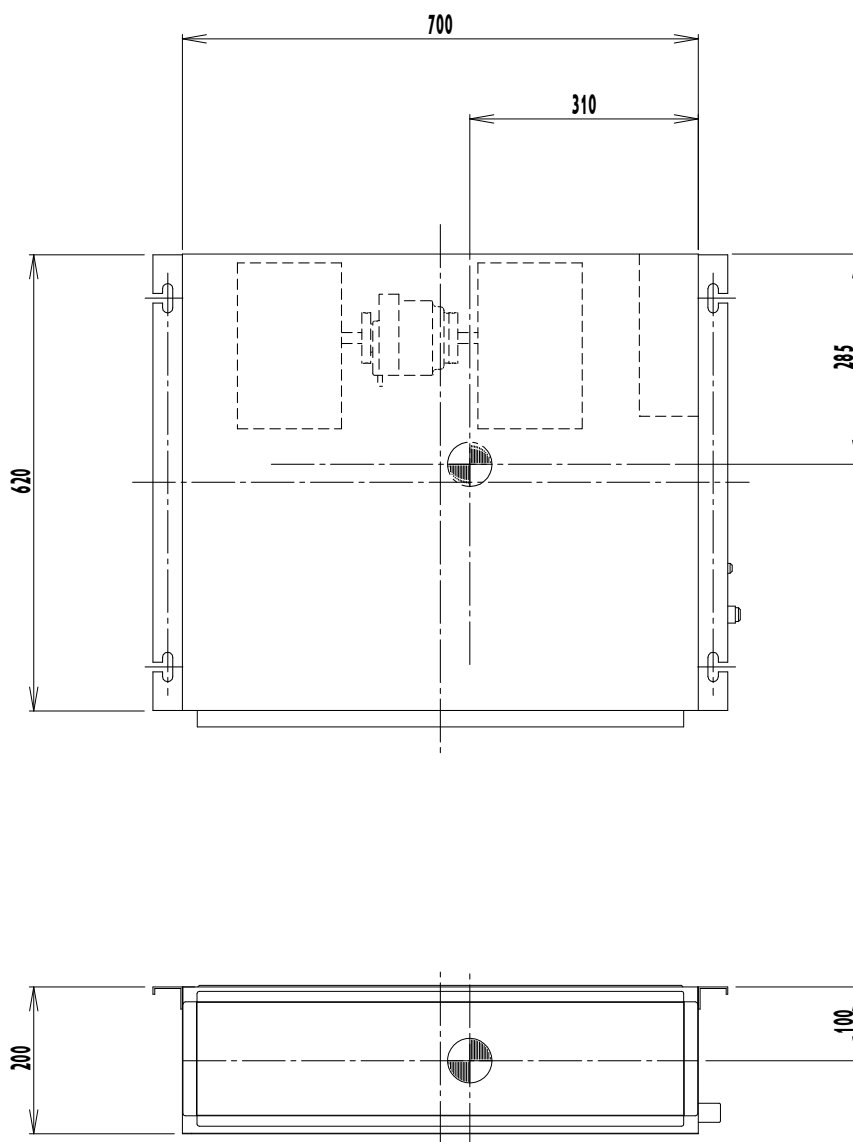


3D081441

7 Centre of gravity

7 - 1 Centre of Gravity

FXDQ15-32A3

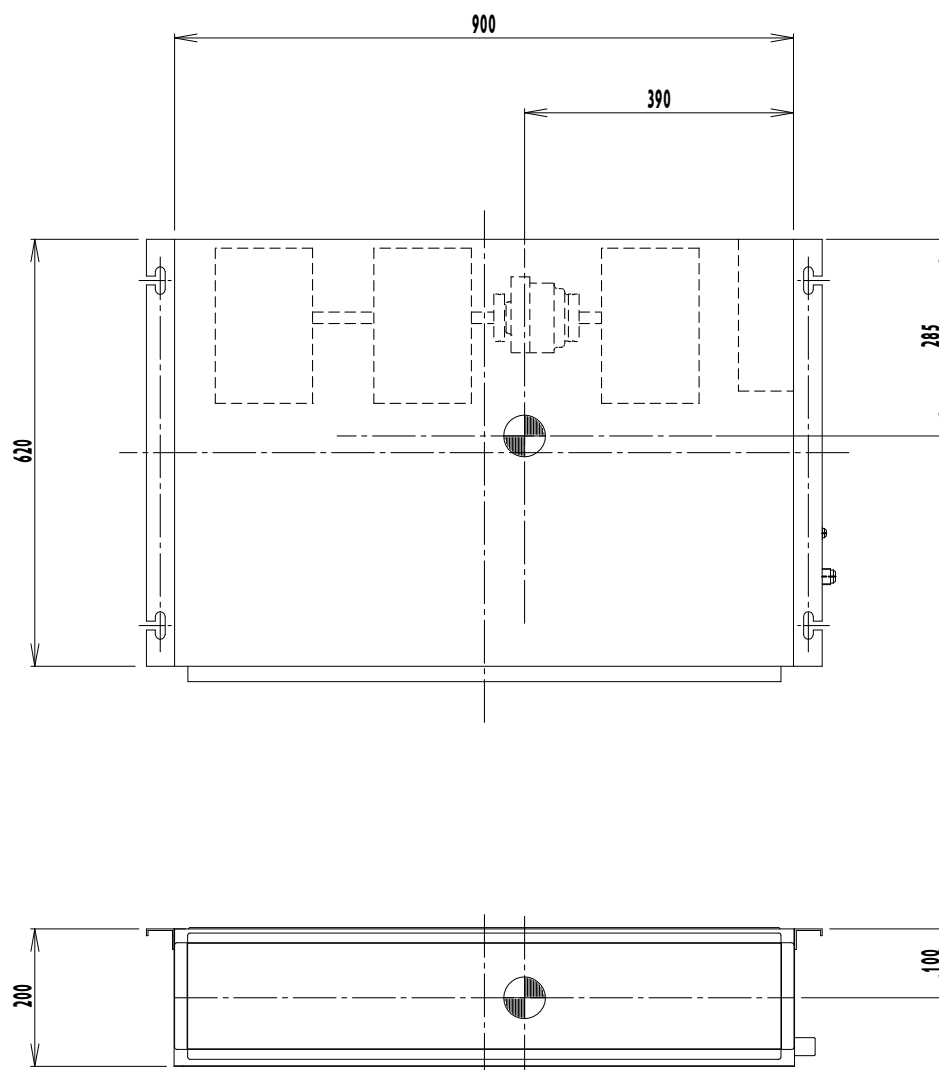


4D081430B

7 Centre of gravity

7 - 1 Centre of Gravity

FXDQ40-50A3

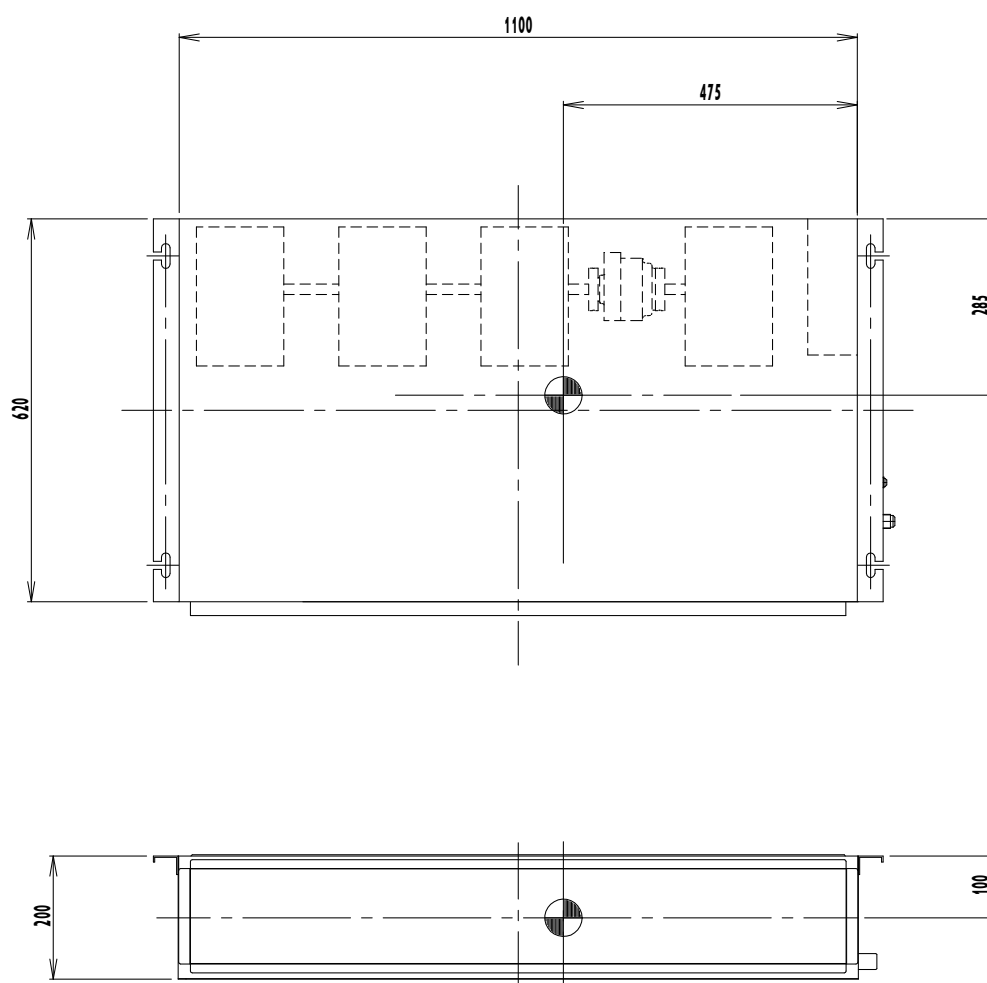


4D081431B

7 Centre of gravity

7 - 1 Centre of Gravity

FXDQ63A3

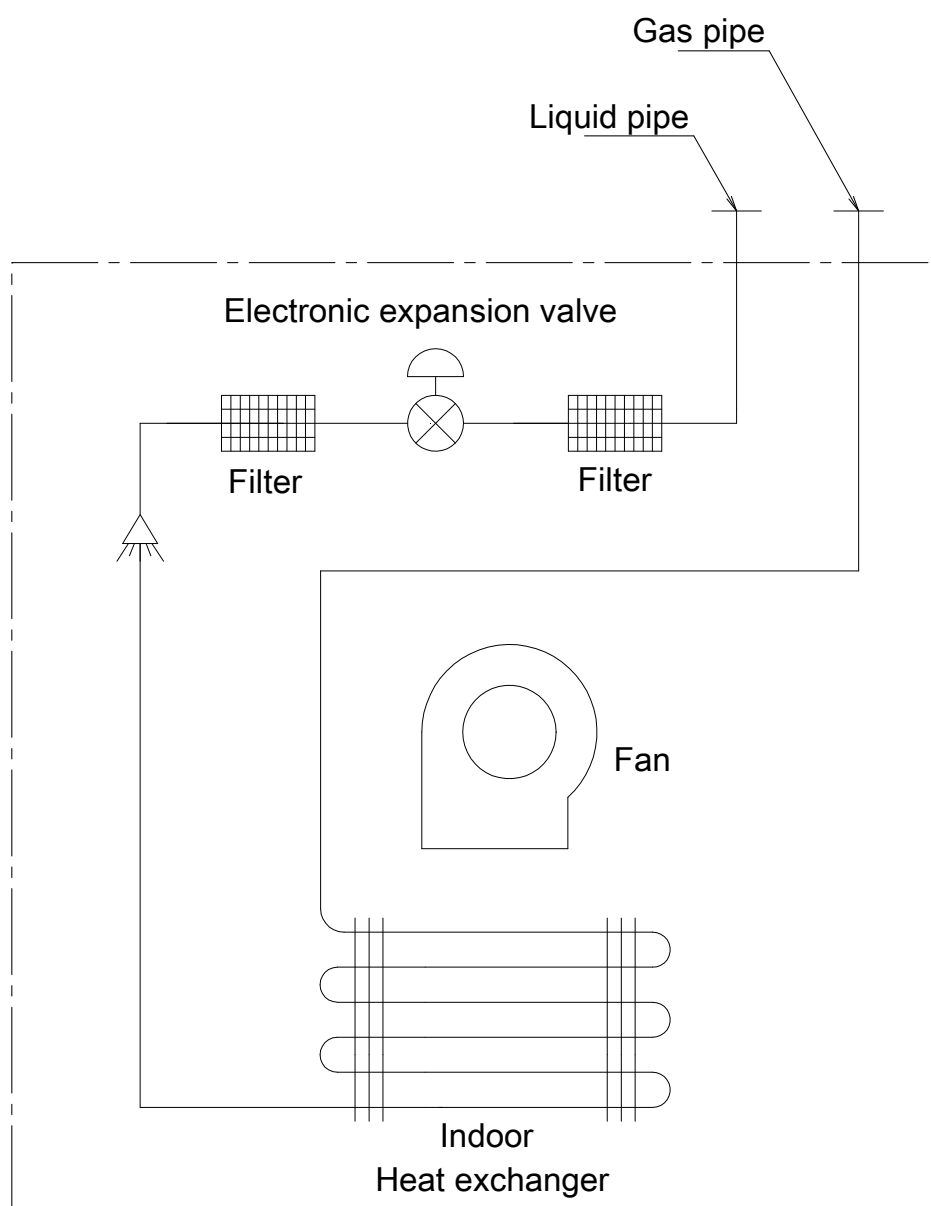


4D081433B

8 Piping diagrams

8 - 1 Piping Diagrams

FXDQ-A3



4D081336B

9 Wiring diagrams

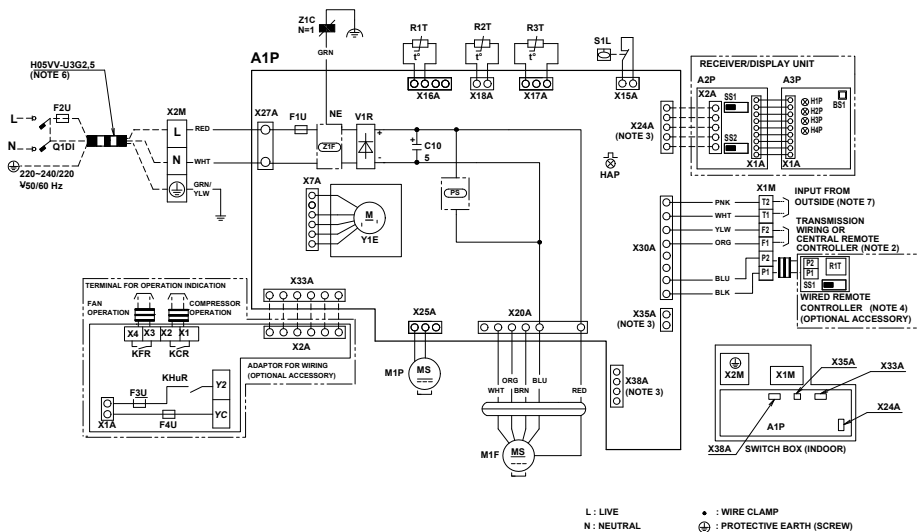
9 - 1 Wiring Diagrams - Single Phase

FXDQ-A3

- INDOOR UNIT**
- A1P PRINTED CIRCUIT BOARD
 - C105 CAPACITOR
 - CBS POWER SUPPLY CIRCUIT
 - F1U FUSE (T, 3.15A, 250V)
 - F2U FUSE (T, 3.15A, 250V)
 - Z1C FERRITE CORE (NOISE FILTER)
 - HAP LIGHT EMITTING DIODE (SERVICE MONITOR-GREEN)
 - M1F MOTOR (FAN)
 - M1P MOTOR (DRAIN PUMP)
 - Q1DI EARTH LEAK DETECTOR
 - R1T THERMISTOR (AIR)
 - R2T THERMISTOR (COIL)
 - S1L FLOAT SWITCH
 - V1E DIODE BRIDGE
 - X1M TERMINAL BLOCK (CONTROL)
 - X2M TERMINAL BLOCK (POWER SUPPLY)
 - Y1E ELECTRONIC EXPANSION VALVE
 - CZ1D NOISE FILTER
- RECEIVER/DISPLAY UNIT**
- A2P PRINTED CIRCUIT BOARD
 - A3P PRINTED CIRCUIT BOARD
 - BS1 PUSH BUTTON (ON/OFF)
 - H1P LIGHT EMITTING DIODE (ON-RED)
 - H2P LIGHT EMITTING DIODE (FILTER DIGN-RED)
 - H3P LIGHT EMITTING DIODE (TIMER-GREEN)
 - H4P LIGHT EMITTING DIODE (DEFROST-ORANGE)
 - SS1 SELECTOR SWITCH (MAIN-SUB)
 - SS2 SELECTOR SWITCH (WIRELESS ADDRESS SET)
- CONNECTOR FOR OPTIONAL PARTS**
- X24A REMOTE CONTROLLER
 - X33A ADAPTOR FOR WIRING
 - X35A SUPPLY CONNECTOR
 - X38A CONNECTOR (MULTI-TENANT)
 - ADAPTOR FOR WIRING
 - F3U, F4U FUSE (B, 5A, 250V)
 - KFR, KCR, KHuR MAGNETIC RELAY
 - WIRED REMOTE CONTROLLER
 - R1T THERMISTOR (AIR)
 - SS1 SELECTOR SWITCH (MAIN-SUB)

NOTES:

1. [] : TERMINAL BLOCK [] : CONNECTOR [] : FIELD WIRING
2. IN CASE OF USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTALLATION MANUAL.
3. X24A, X33A, X35A, X38A ARE CONNECTED WHEN THE OPTIONAL ACCESSORIES ARE USED. IN CASE OF MAIN/SUB OVERCHARGE.
4. SEE INSTALLATION MANUAL ATTACHED TO REMOTE CONTROLLER.
5. SYMBOLS SHOW AS FOLLOW: RED-RED BLK-BLACK WHT-WHITE YLW-YELLOW GRN-GREEN ORG-ORANGE BRN-BROWN PNK-PINK GRY-GRAY BLU-BLUE
6. SHOW ONLY IN CASE OF PROTECTED PIPES. USE H07RN-F IN CASE OF NO PROTECTION.
7. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY THE REMOTE CONTROLLER, SEE MANUAL FOR DETAIL.



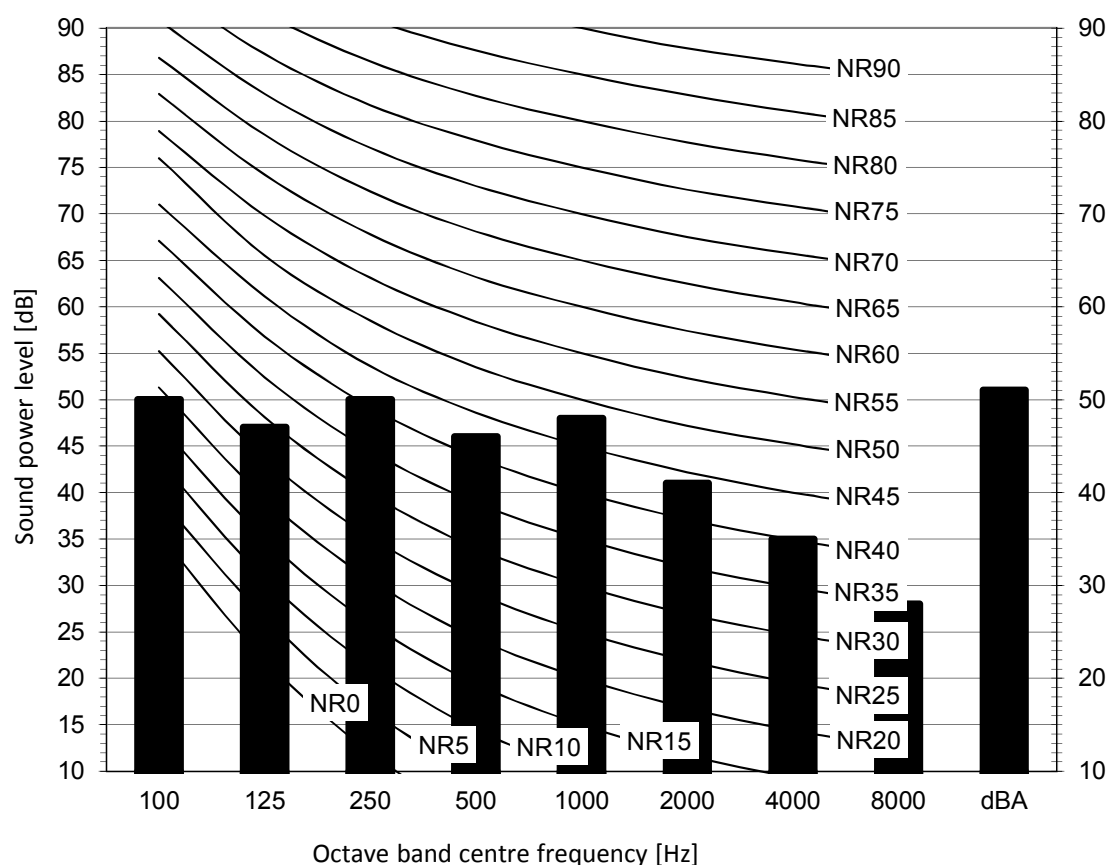
L: LIVE
N: NEUTRAL
• : WIRE CLAMP
⊕ : PROTECTIVE EARTH (SCREW)

3D080362E

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ32A3



Notes

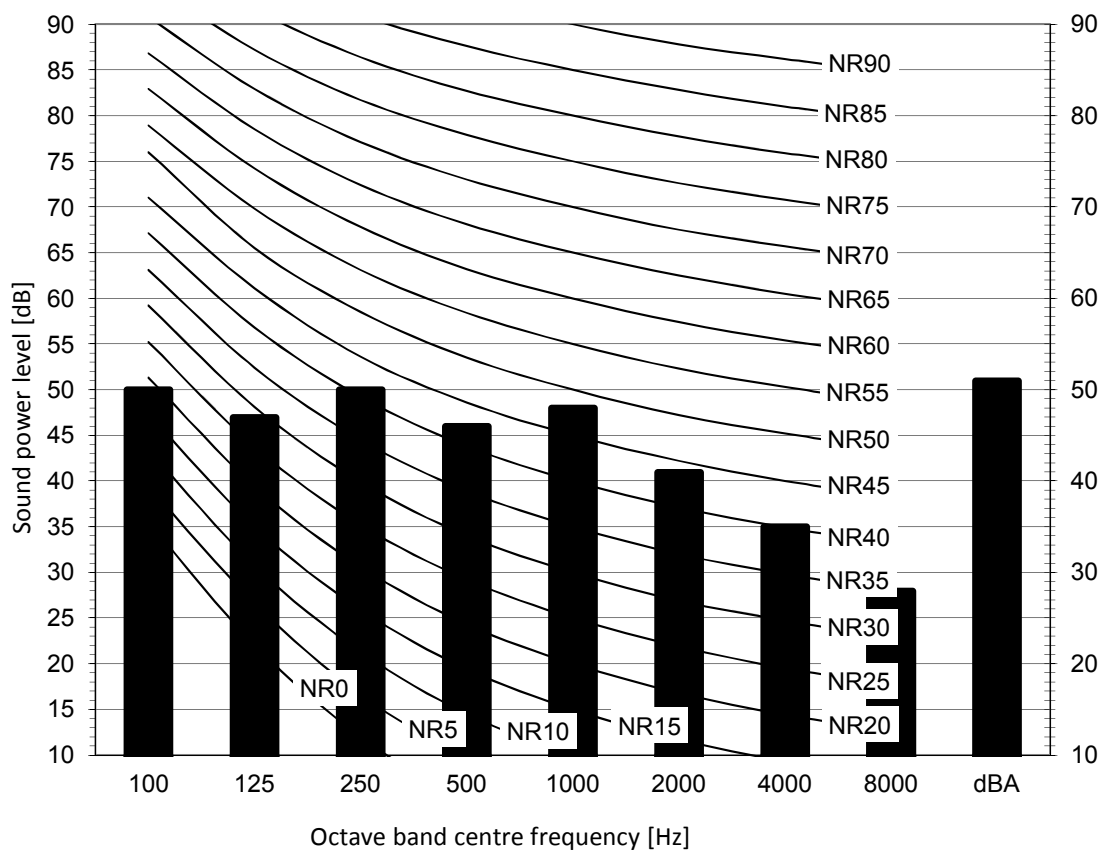
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10E-6Wμ/m2
- 3 Measured according to ISO 3744

4D088134

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ25A3



Notes

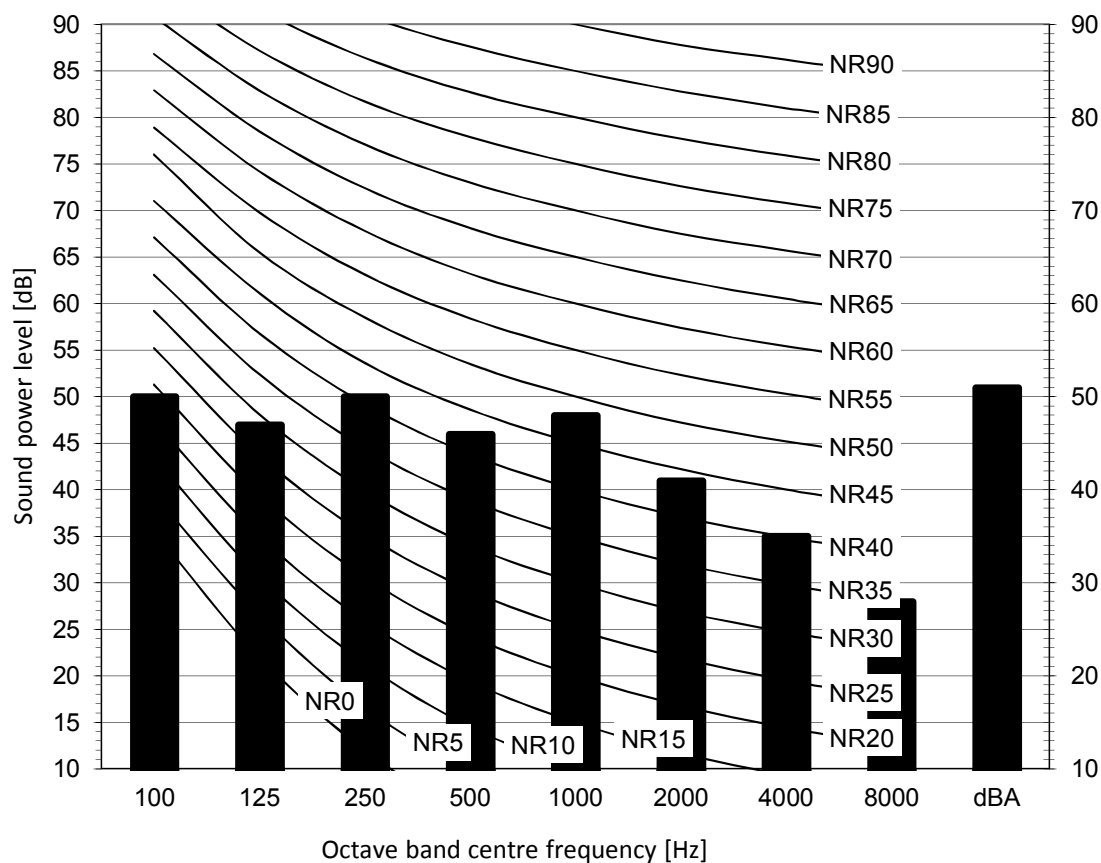
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10^{-6} W/m^2
- 3 Measured according to ISO 3744

4D088133

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ20A3



Notes

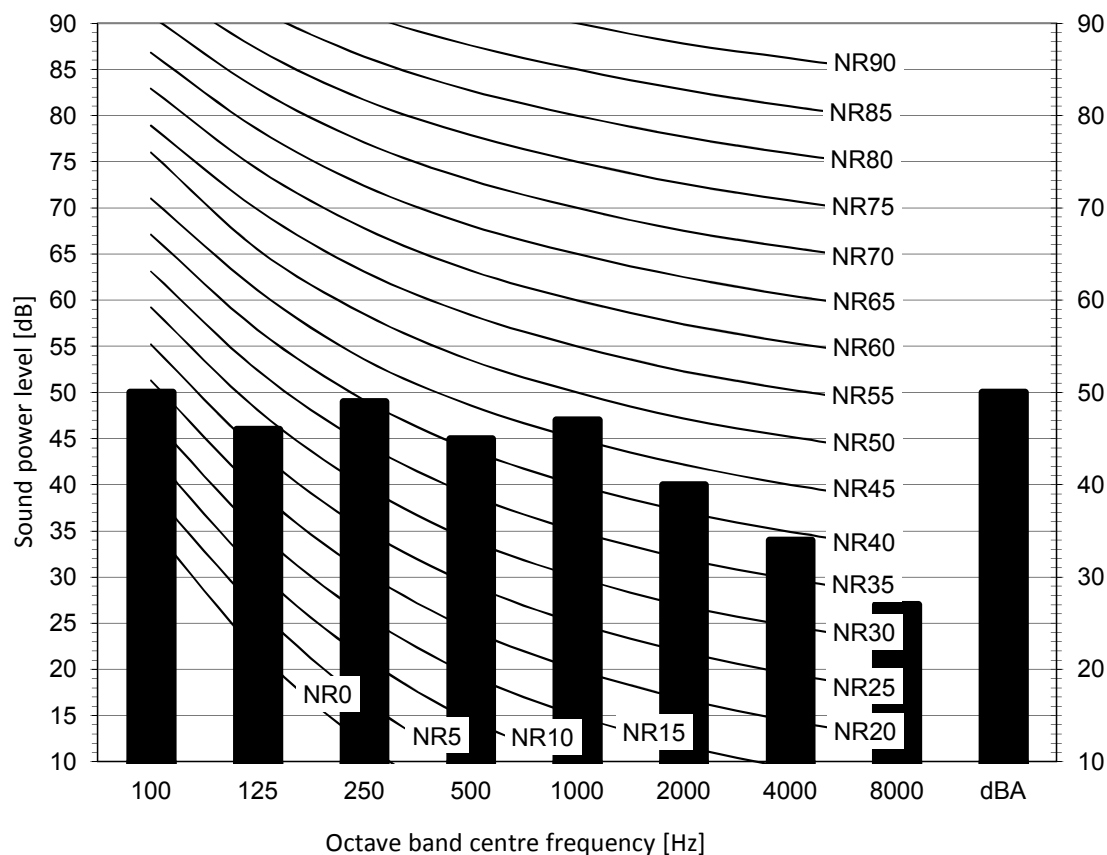
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10^{-6} W/m^2
- 3 Measured according to ISO 3744

4D088132

10 Sound data

10 - 1 Sound Power Spectrum

FDXQ15A3



Notes

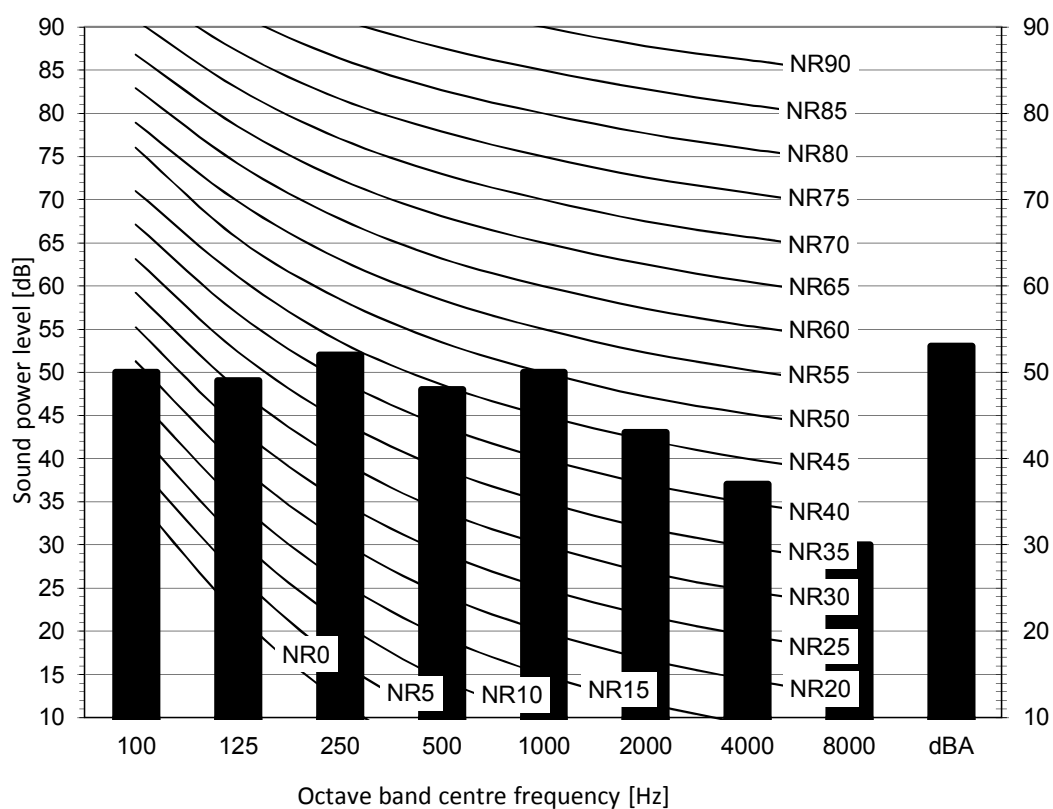
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6\mu W/m^2$
- 3 Measured according to ISO 3744

4D088131

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ50A3



Notes

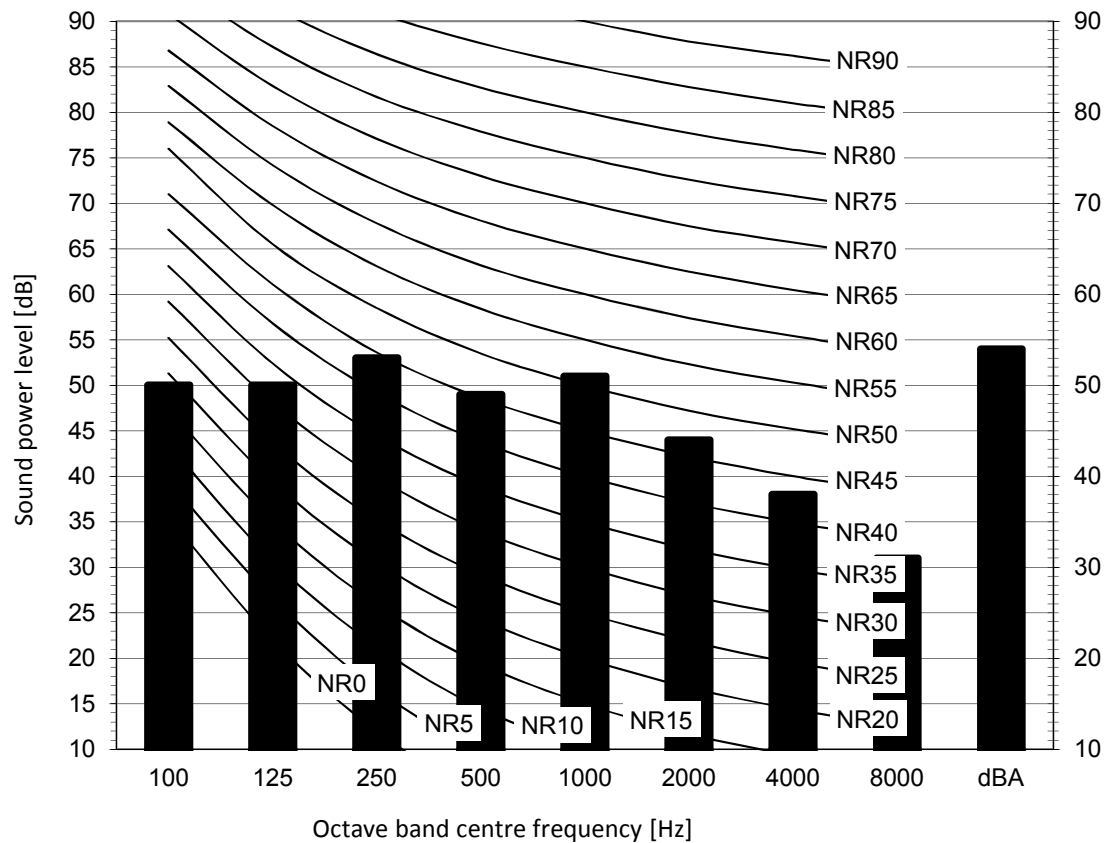
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088136

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ63A3



Notes

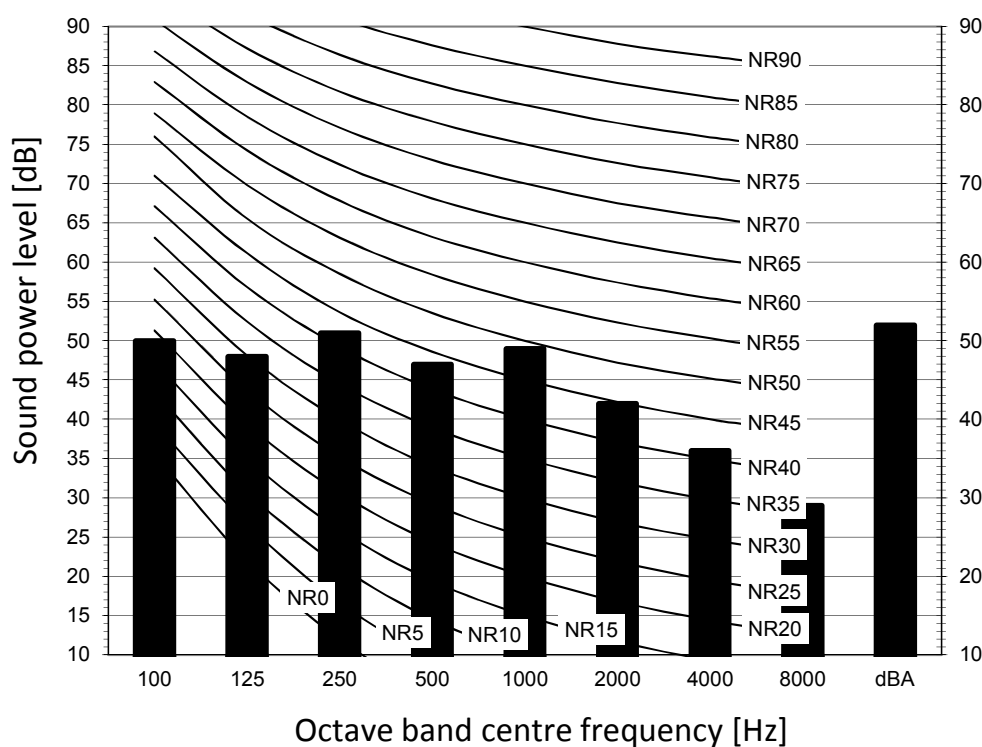
- 1 dBA = A-weighted sound power level (A scale according to
- 2 IEC). Reference acoustic intensity 0dB = 10E-6Wμ/m2
- 3 Measured according to ISO 3744

4D088137

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ40A3



Notes

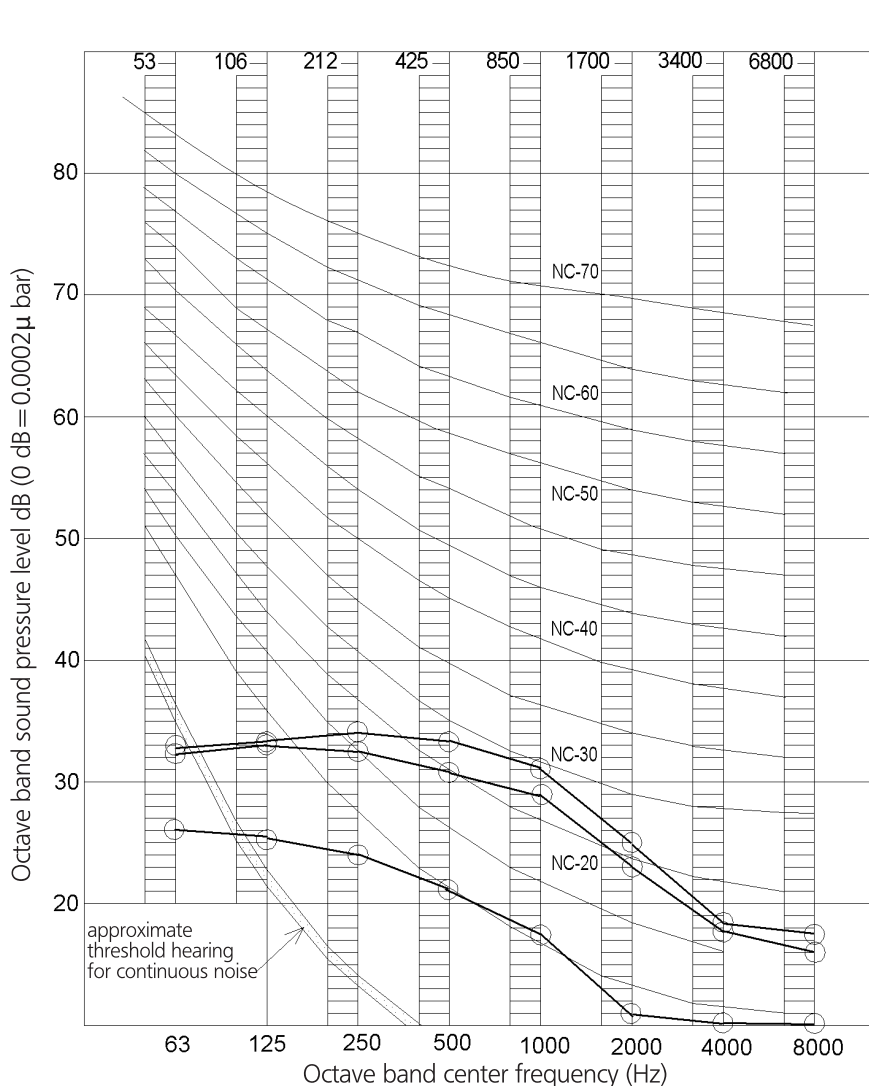
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = $10E-6W\mu/m^2$
- 3 Measured according to ISO 3744

4D088135

10 Sound data

10 - 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

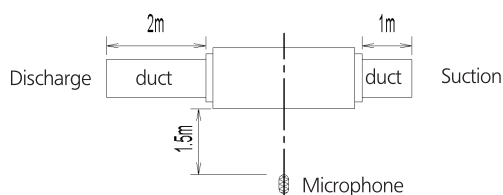
3 Operation noise differs with operation and ambient conditions.

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:

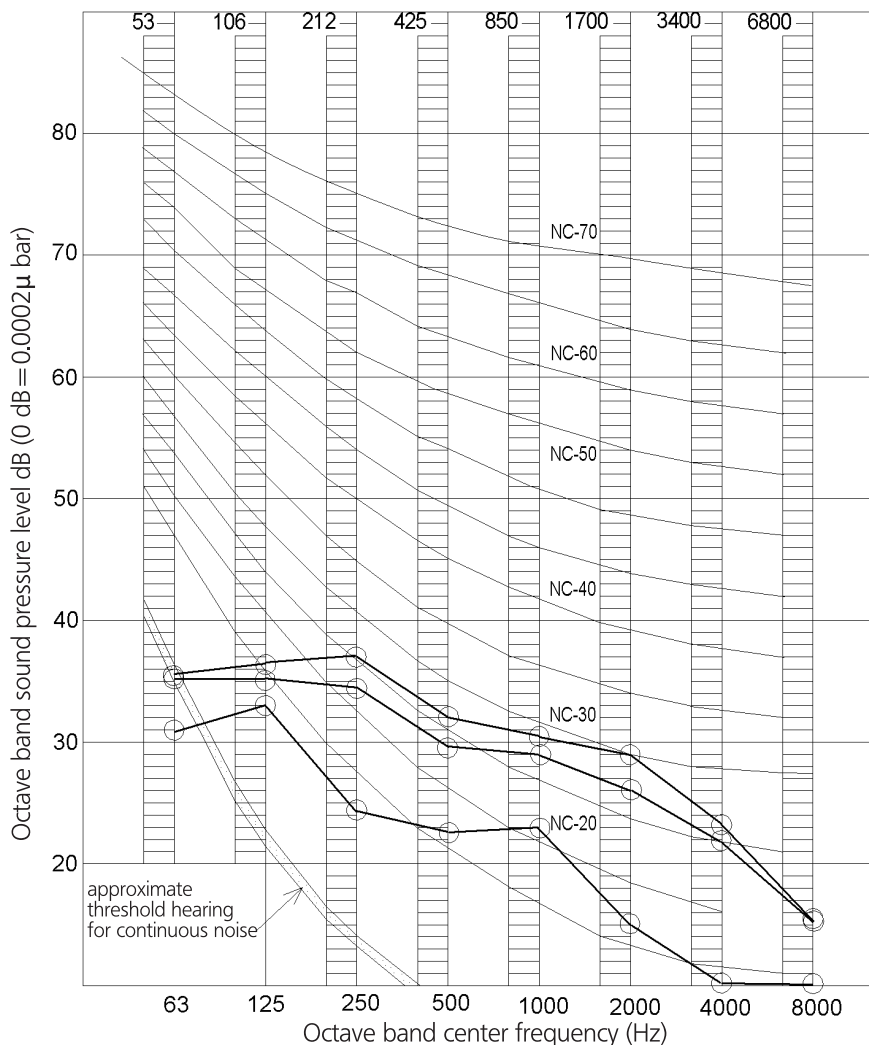


4D081444

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

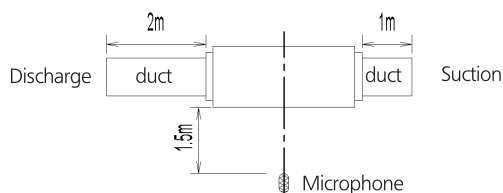
3 Operation noise differs with operation and ambient conditions.

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:

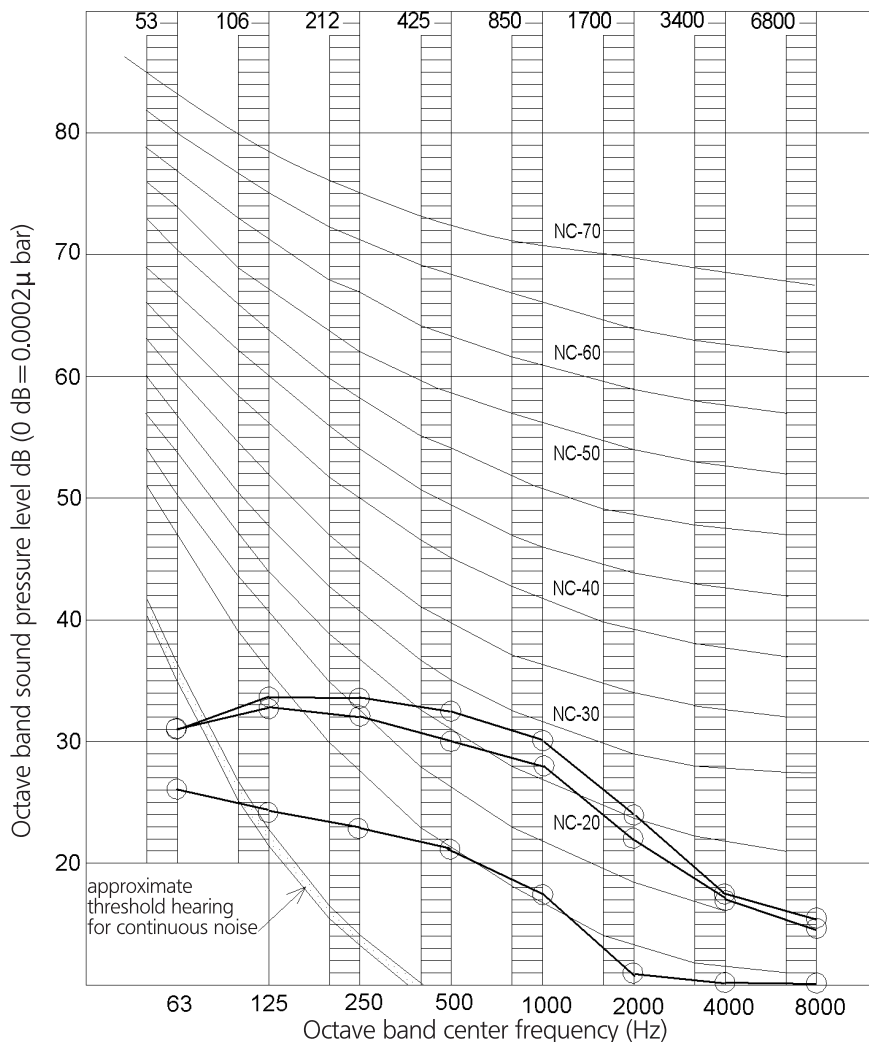


4D081445

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ40A3



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

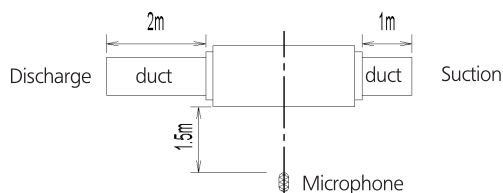
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

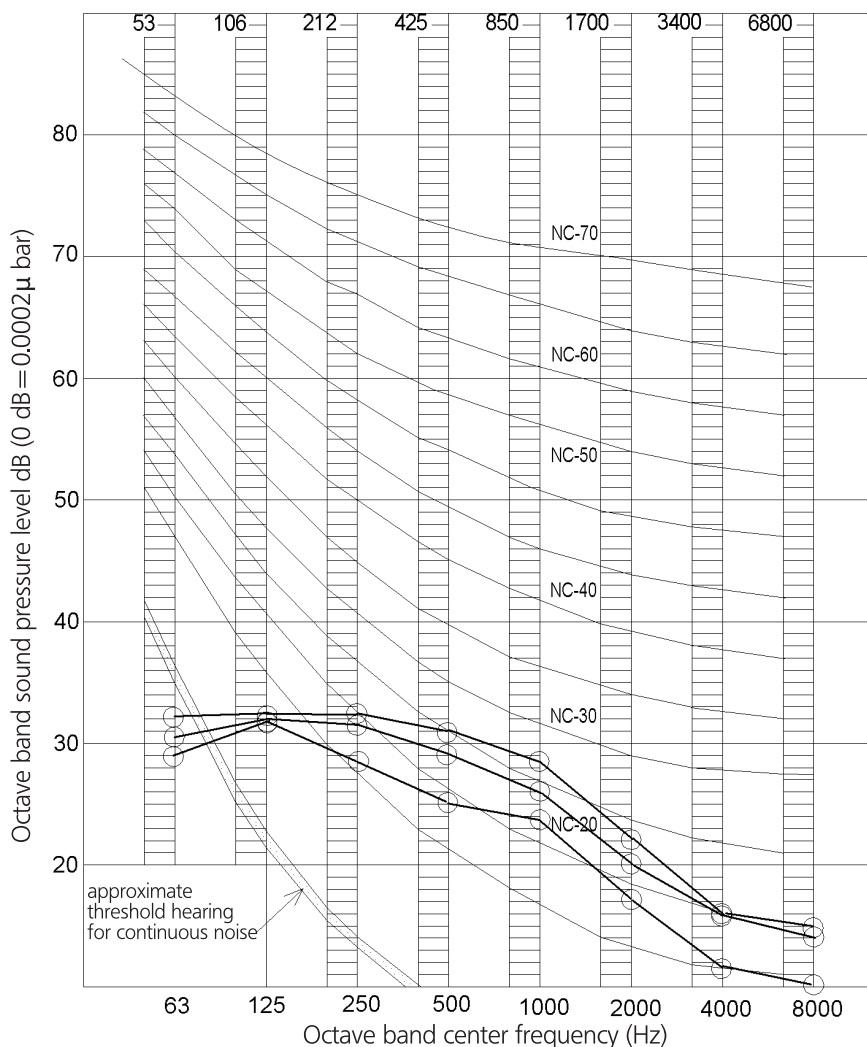


4D081443

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ25A3



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

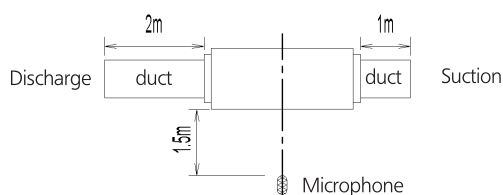
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

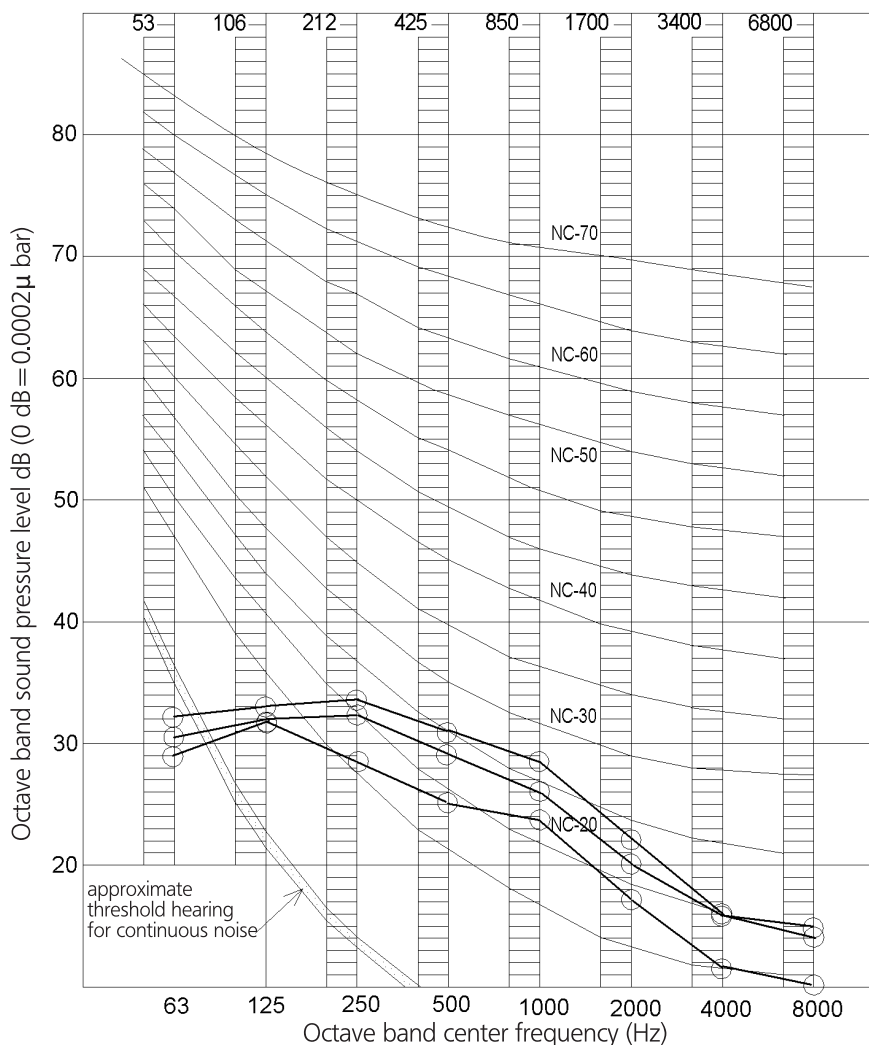


4D081440

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

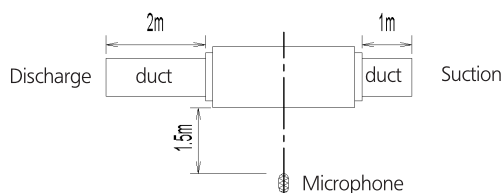
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

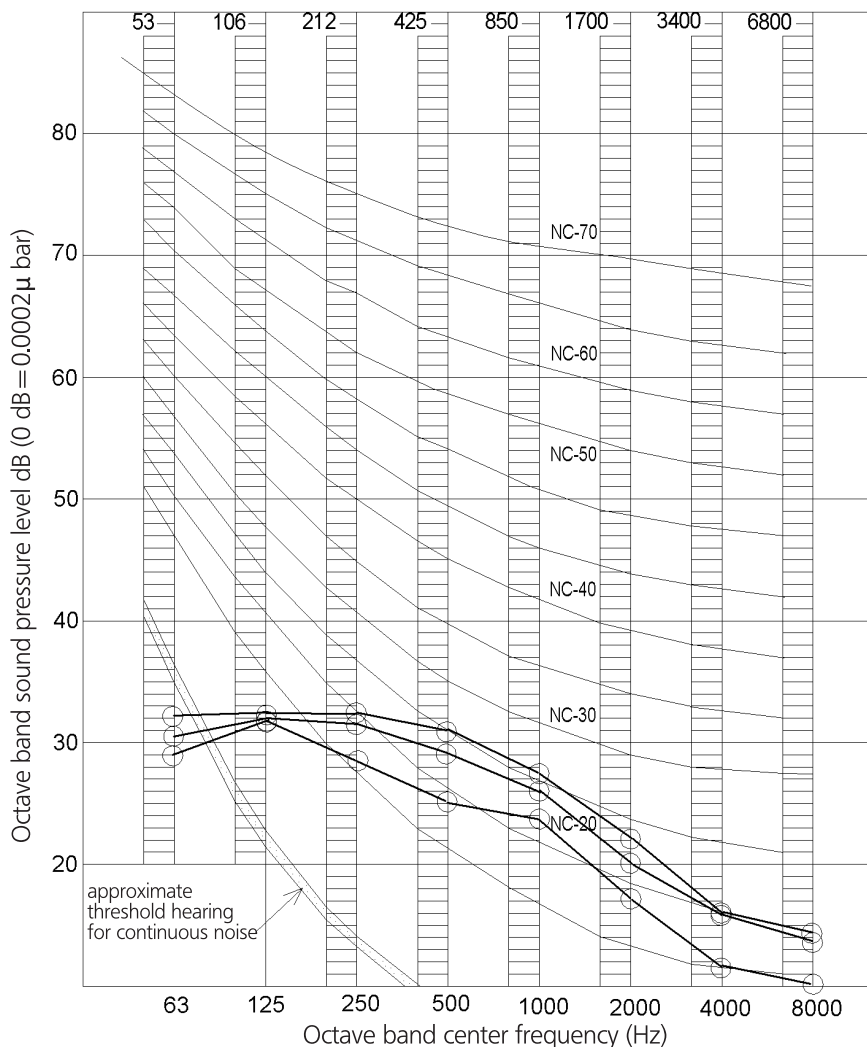


4D081442

10 Sound data

10 - 2 Sound Pressure Spectrum

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

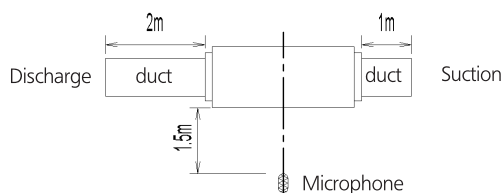
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

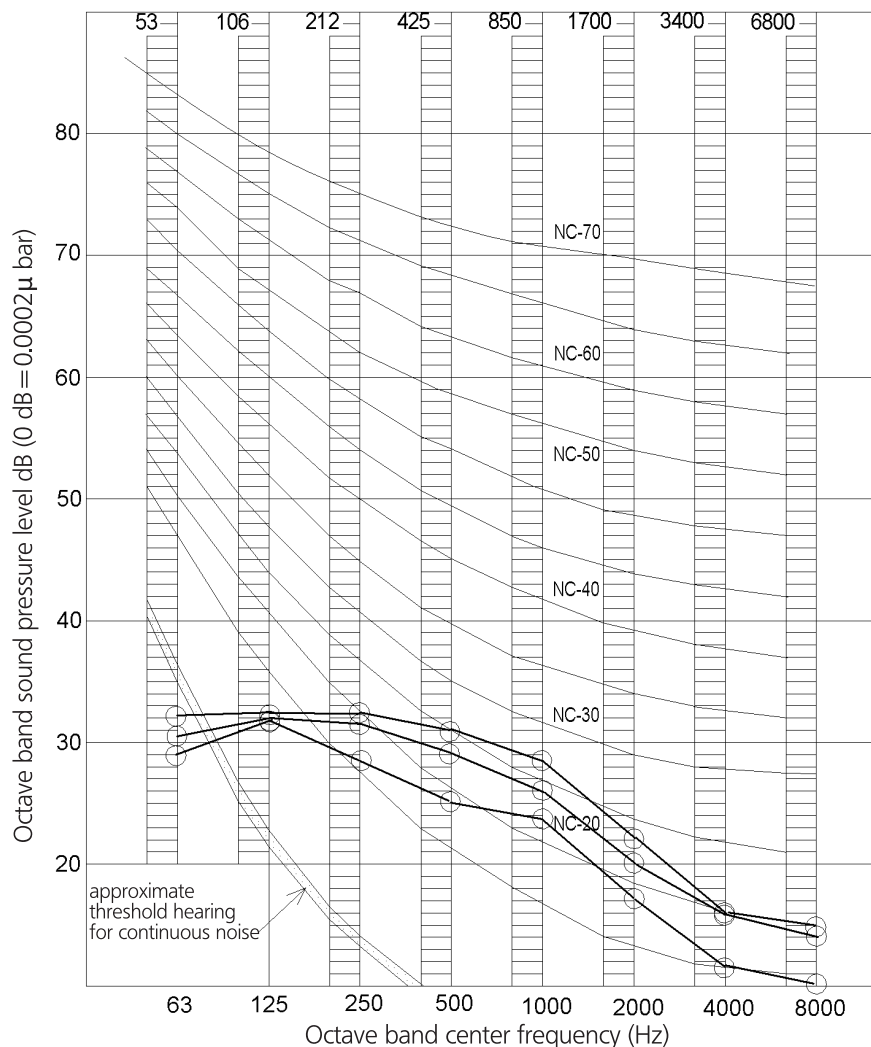


4D081438

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

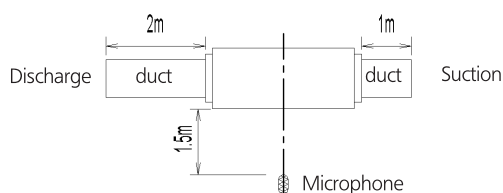
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

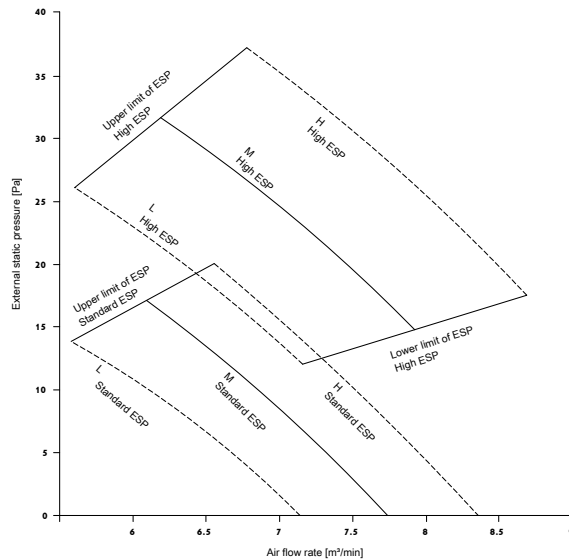


4D081439

11 Fan characteristics

11 - 1 Fan Characteristics

FXDQ15A3

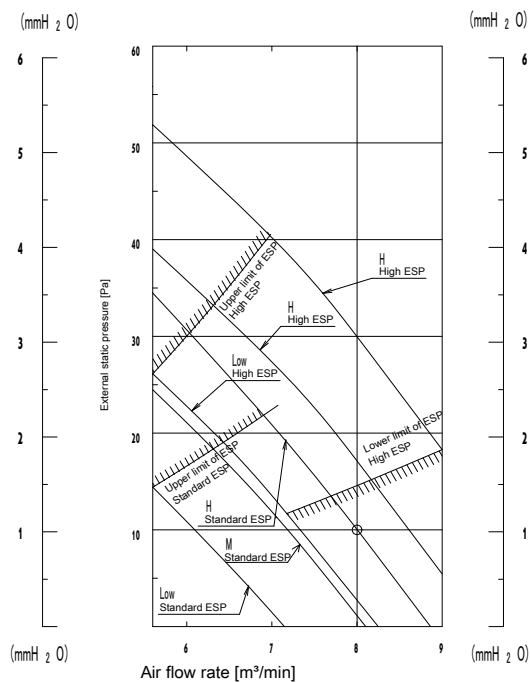


Notes

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'.

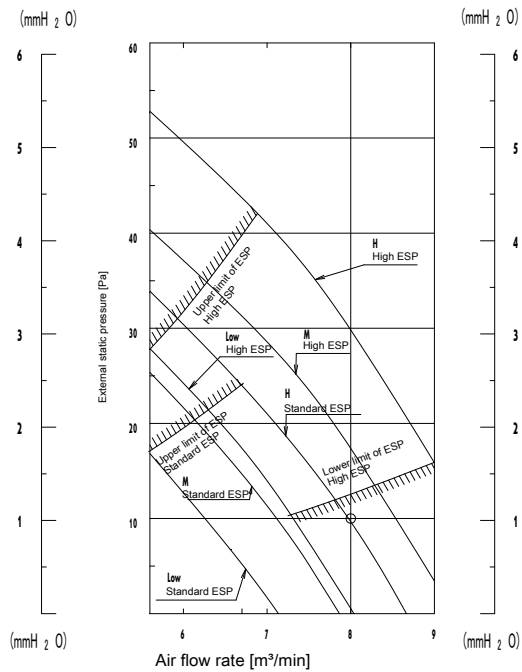
The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D086736B

11 Fan characteristics

11 - 1 Fan Characteristics

FXDQ32A3



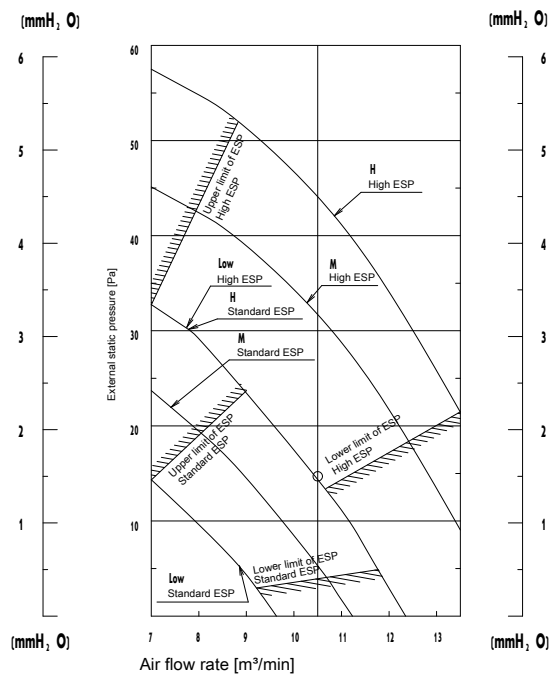
Notes

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'.

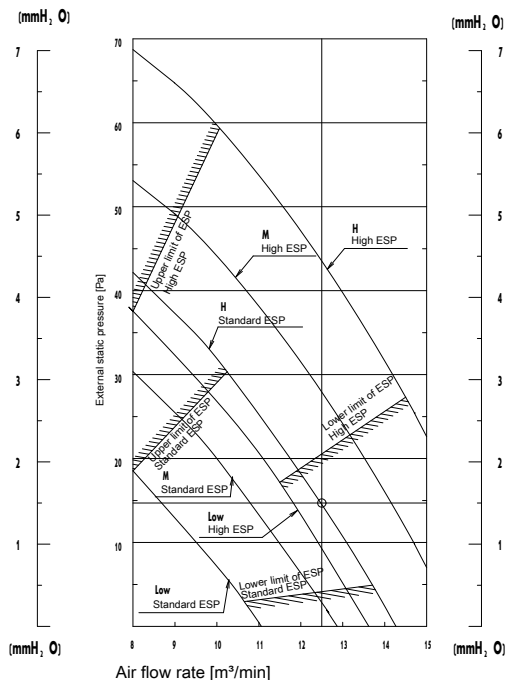
The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081426C

11 Fan characteristics

11 - 1 Fan Characteristics

FXDQ50A3



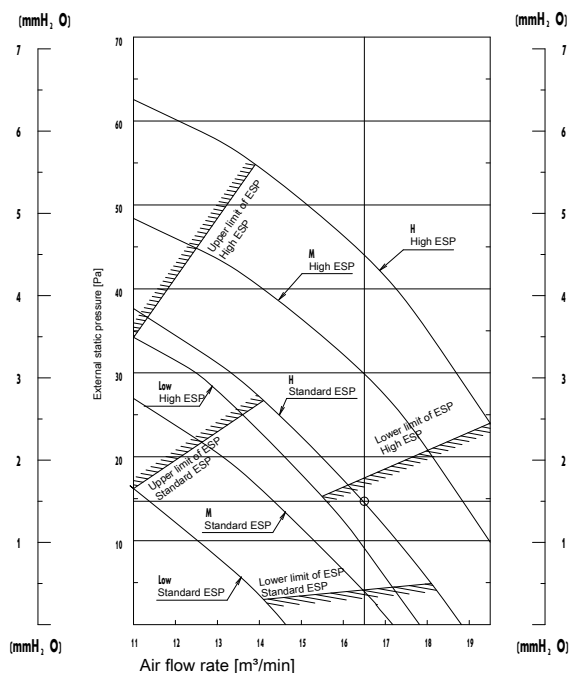
Notes

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

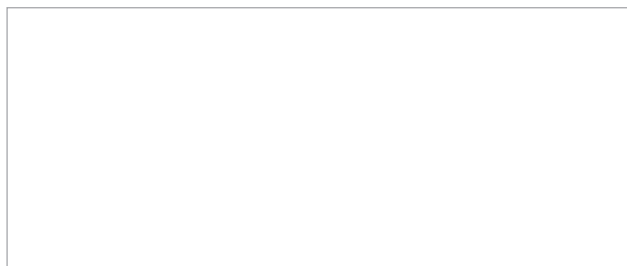


Notes

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.

3D081429



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