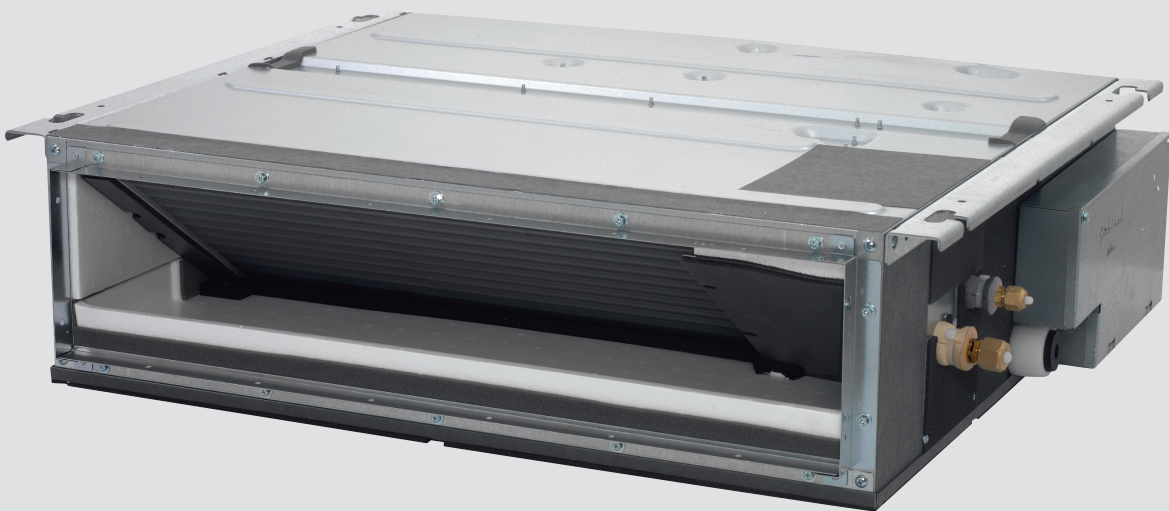


Air Conditioning  
Technical Data

# FXDQ-A3



- > FXDQ15A3VEB
- > FXDQ20A3VEB
- > FXDQ25A3VEB
- > FXDQ32A3VEB
- > FXDQ40A3VEB
- > FXDQ50A3VEB

- > FXDQ63A3VEB



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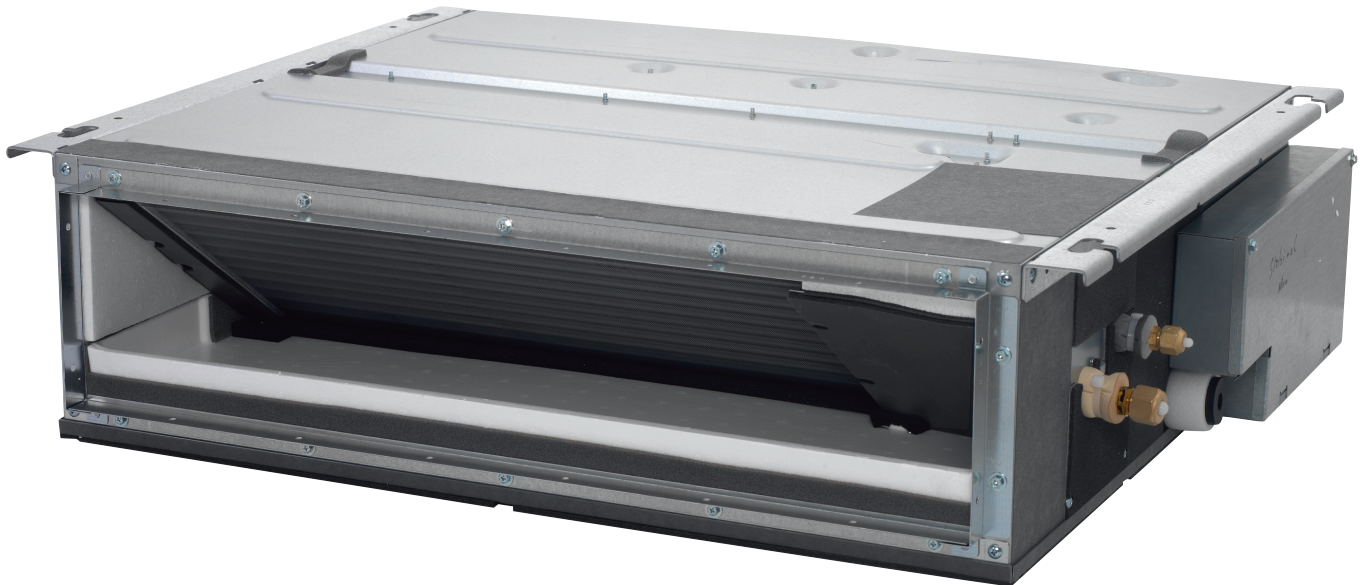
## FXDQ-A3

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# 1 Features

Slim design for flexible installation

- 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

2-1 Technical Specifications				FXDQ15A3	FXDQ20A3	FXDQ25A3	FXDQ32A3	FXDQ40A3	FXDQ50A3	FXDQ63A3	
Power input - 50Hz	Cooling	Nom.	kW	0.071			0.078	0.099	0.110		
	Heating	Nom.	kW	0.068			0.075	0.096	0.107		
Power input - 60Hz	Cooling	Nom.	kW	0.071			0.078	0.099	0.110		
	Heating	Nom.	kW	0.068			0.075	0.096	0.107		
Required ceiling void >			mm	240							
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	22.0			26.0		29.0		
	Packed unit		kg	24	25		28	29	33		
Casing	Colour	Not painted (galvanised)									
	Material	Galvanised steel									
Heat exchanger	Inside length		mm	500			700		900		
	Rows	Quantity		2			3				
	Fin pitch		mm	1.50							
	Passes	Quantity		3			6				
	Face area		m <sup>2</sup>	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 louvre								
	Fan	Type	Sirocco fan								
Quantity		2							3		
Air flow rate - 50Hz		Cooling	High	m <sup>3</sup> /min	7.5	8.0		10.5	12.5	16.5	
			Low	m <sup>3</sup> /min	6.4			8.5	10.0	13.0	
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						
Air filter	Type	Removable / washable									
Sound power level	Cooling	High	dBA	50	51		52	53	54		
Sound pressure level	Cooling	High	dBA	32.0	33.0		34.0	35.0	36.0		
		Nom.	dBA	31.0			32.0	33.0	34.0		
		Low	dBA	27.0			28.0	29.0	30.0		
Refrigerant	Type	R-410A									
	Control	Electronic expansion valve									
Piping connections	Liquid	Type	Flare connection								
		OD	mm	6,35			9,52				
	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							
Safety devices	Item	01	Fuse								
		02	Thermal protector for fan motor								
Control systems	Infrared remote control	BRC4C65 / BRC4C66									
	Wired remote control	BRC1D528 / BRC1E51									
	Simplified wired remote control for hotel applications	-									

## 2 Specifications

2

2-2 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	

### Notes

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:  $MCA = 1.25 \times FLA$

$MFA \leq 4 \times FLA$

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			MCA	MFA	IFM		Power input [W]	
	①	②	③			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**

1. Voltage range  
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
2. The maximum allowable voltage that is unbalanced between phases is 2%.
3. MCA / MFA  
MCA = 1.25 x FLA  
MFA ≤ 4 x FLA  
The next lower standard fuse rating is minimum 15 ampere.
4. Select the wire size according to the MCA.
5. 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

4

### 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)	✓	✓	✓
	Simplified remote control		✓	✓	✓
	Stylish remote control	BRC2E52C(3)(9)	✓	✓	✓
	Remote control for hotel use	BRC3E52C(3)(9)	✓	✓	✓
	Wireless remote control (H/P)	BRC4C6S	✓	✓	✓
Centralised control systems	Central remote control	DCS302CA51/DCS302CA61(1)	✓	✓	✓
	Unified ON/OFF controller	DCS301BA51/DCS301BA61(1)	✓	✓	✓
	Schedule timer	DST301BA51/DST301BA61(1)	✓	✓	✓
	Residential central remote control	DCS303AS1(1)(2)	✓	✓	✓
	Adaptor for wiring	KRP1B5E	✓	✓	✓
Other options	Wiring adaptor for electrical appendices 1	KRP2A53	✓	✓	✓
	Wiring adaptor for electrical appendices 2	KRP4A54	✓	✓	✓
	Remote sensor	KRCS01-4B	✓	✓	✓
	Installation box for adaptor PCB	KRP1BA101	✓	✓	✓
	Electrical box with earth terminal (2 blocks)	KJB212AA	✓	✓	✓
	Electrical box with earth terminal (3 blocks)	KJB311AA	✓	✓	✓
	Noise filter (for electromagnetic interface only)	KEK26-1A	✓	✓	✓
	External control adaptor for outdoor unit Must be installed on the outdoor unit	DTA104A53	✓	✓	✓
	Adaptor for multi-tenant applications	DTA114A61	✓	✓	✓
	Insulation kit for high humidity	KDT25N32/KDT25N50/KDT25N63	✓	✓	✓
	Digital input adaptor	BRP7A54(4)	✓	✓	✓
	Auto cleaning filter - Small	BAE20A62	✓	X	X
Auto cleaning filter - Medium	BAE20A82	X	✓	X	
Auto cleaning filter - Large	BAE20A102	X	X	✓	

- 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 EKPCAB3 in combination with the Updater PC software, you can additionally change the language to:  
 Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian, and Slovenian.  
 Language pack 3: English, Greek, Polish, Russian, Serbian, Slovak, and Turkish.
- ④ Only possible in combination with remote control BRC2/3E52C, BRC1E53A/B/C/7.
- 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

# 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	23.0DB	26.0DB	26.0DB	27.0DB	27.0DB	28.0DB	28.0DB	30.0DB	30.0DB	32.0DB	32.0DB		
		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	

# 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	

# 5 Capacity tables

## 5 - 2 Heating Capacity Tables

### FXDQ40-63A3

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
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	

5

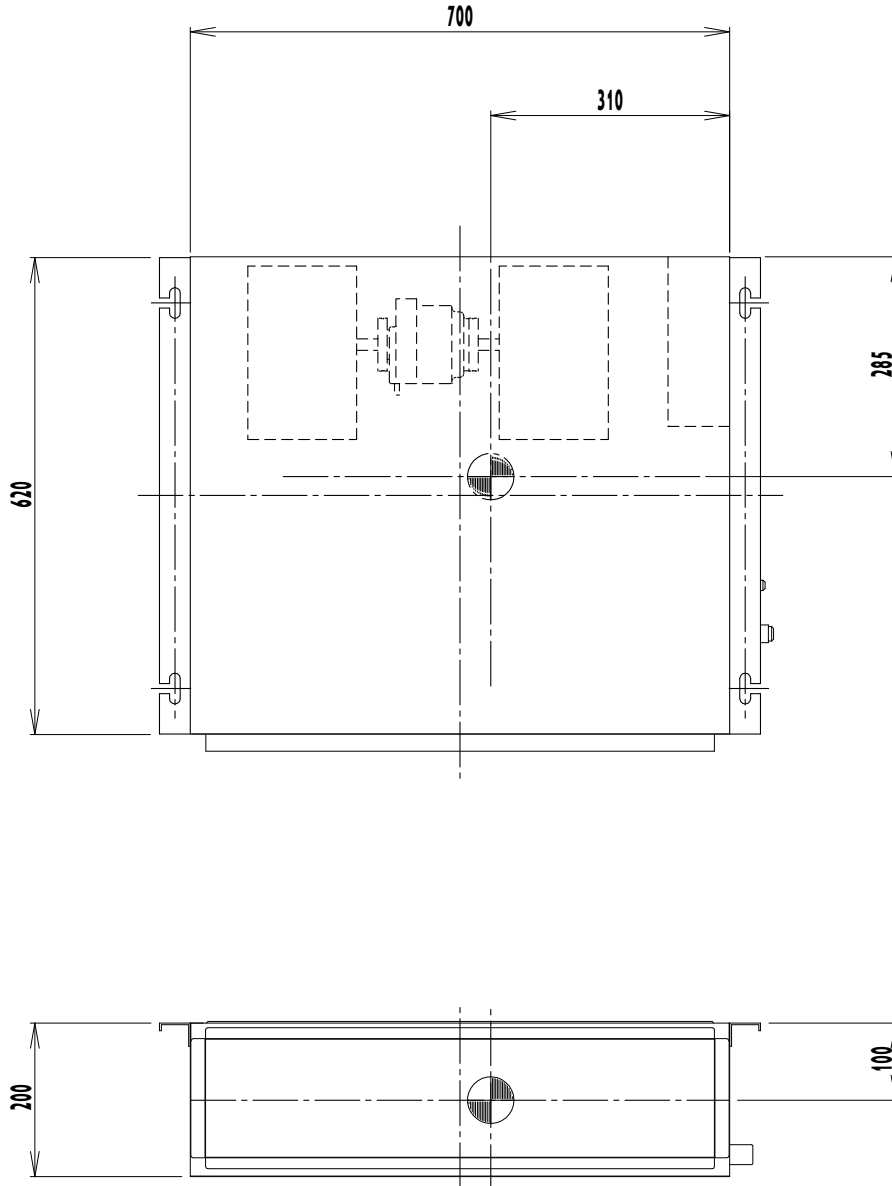




# 7 Centre of gravity

## 7 - 1 Centre of Gravity

FXDQ15-32A3



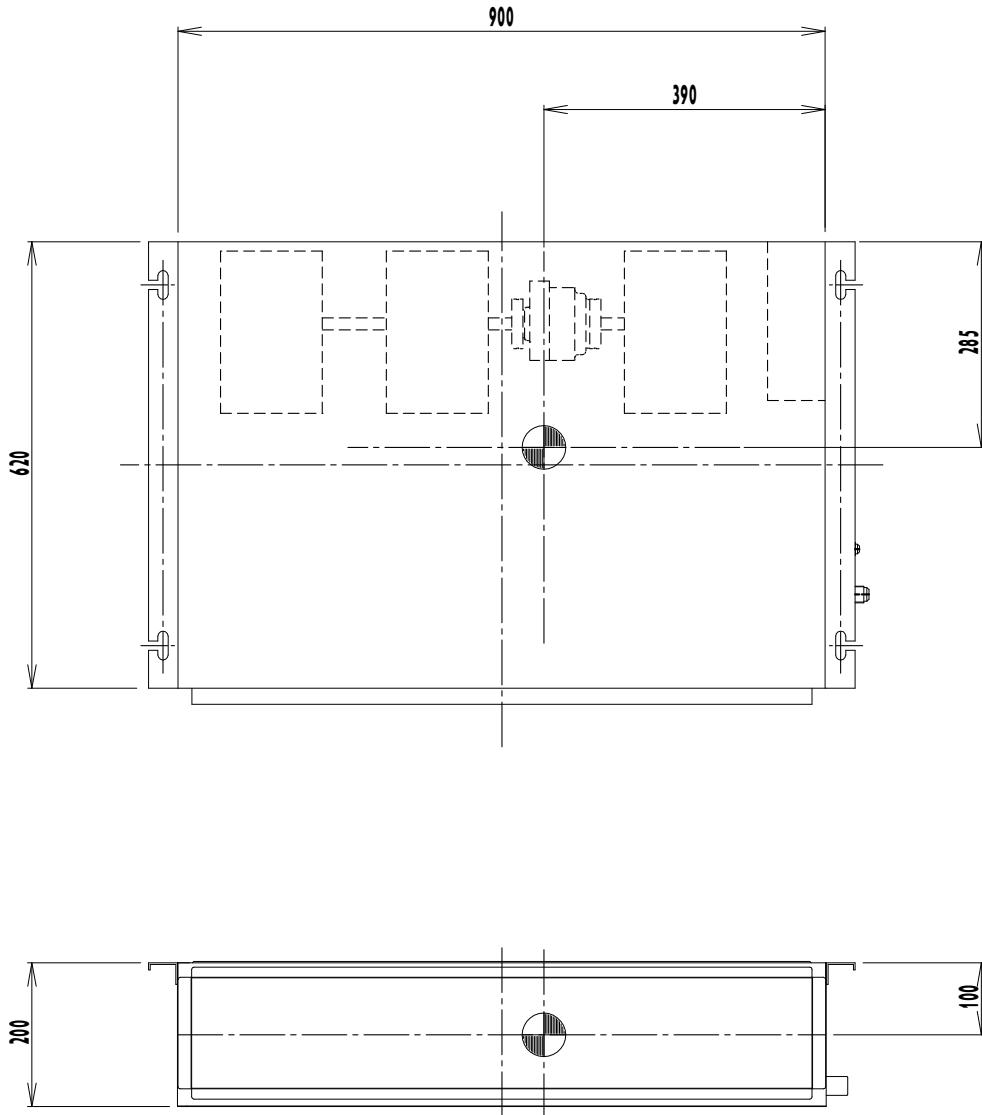
4D081430B

# 7 Centre of gravity

## 7 - 1 Centre of Gravity

FXDQ40-50A3

7



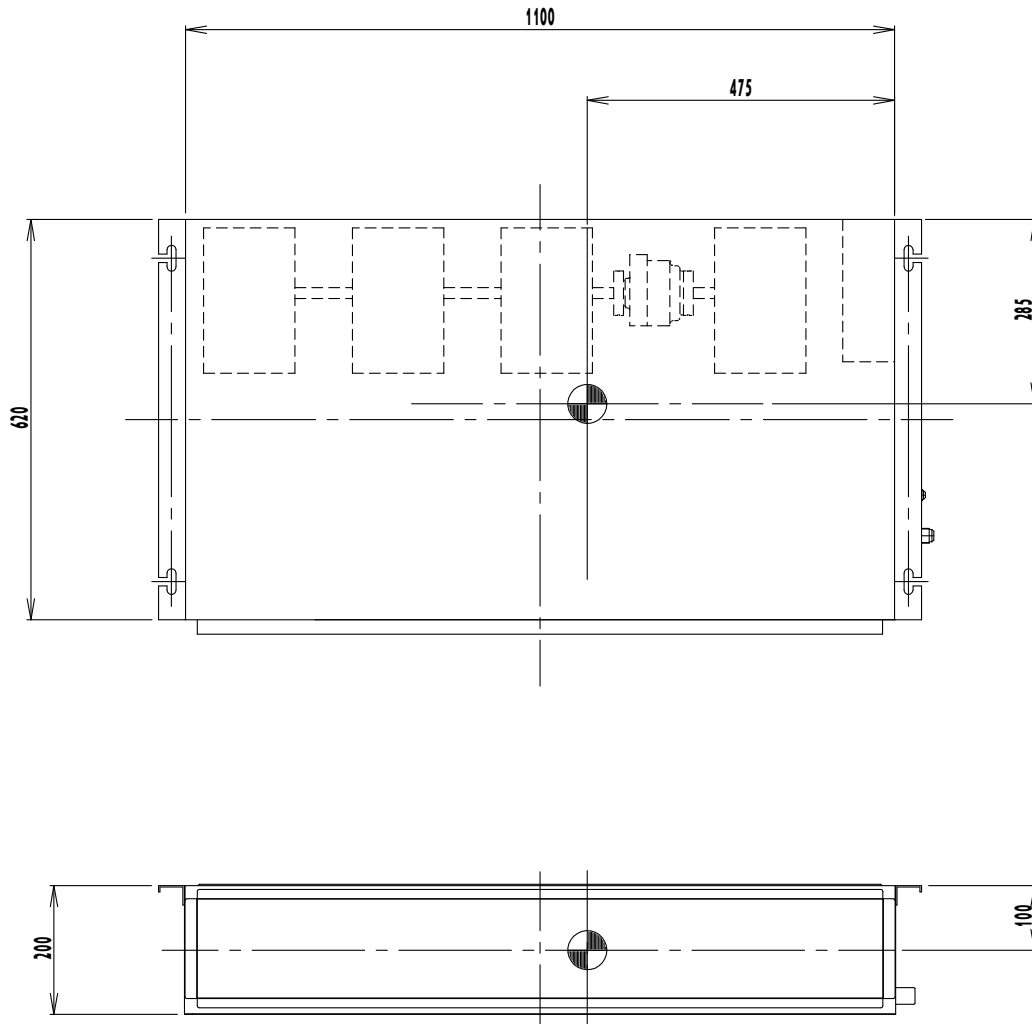
4D081431B



# 7 Centre of gravity

## 7 - 1 Centre of Gravity

FXDQ63A3



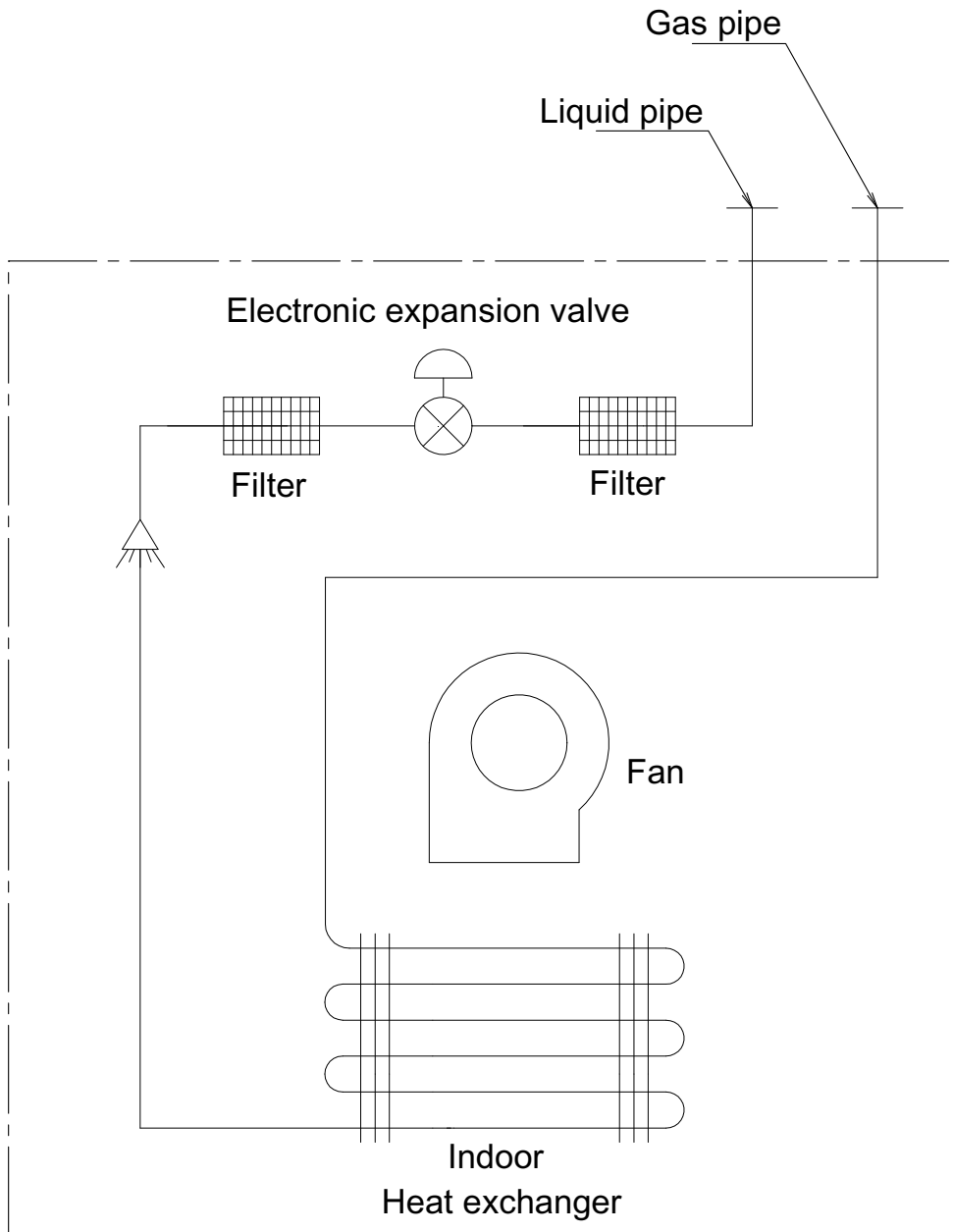
4D081433B

# 8 Piping diagrams

## 8 - 1 Piping Diagrams

FXDQ-A3

8



4D081336B

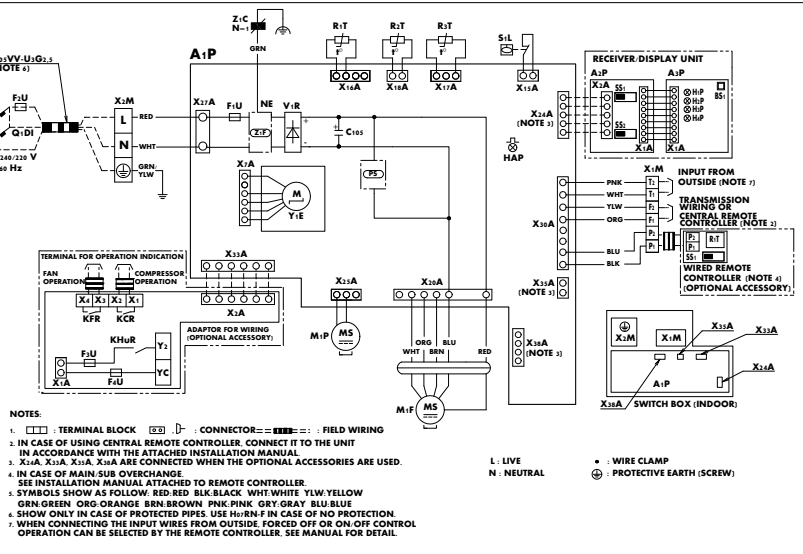
# 9 Wiring diagrams

## 9 - 1 Wiring Diagrams - Single Phase

FXDQ-A3

INDOOR UNIT	
A1P	PRINTED CIRCUIT BOARD
C101	CAPACITOR
CS	POWER SUPPLY CIRCUIT
F1U	FUSE (T 3.15A, 250V)
F2U	FIELD FUSE
Z1C	FERRITE CORE (NOISE FILTER)
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR, GREEN)
M1F	MOTOR (FAN)
M2P	MOTOR (DRAIN PUMP)
Q1DI	EARTH LEAK DETECTOR
RT1	THERMISTOR (AIR)
RT2	THERMISTOR (COIL)
S1L	FLOAT SWITCH
V1R	DIODE BRIDGE
X1M	TERMINAL BLOCK (CONTROL)
X2M	TERMINAL BLOCK (POWER SUPPLY)
Y1E	ELECTRONIC EXPANSION VALVE
Z1F	NOISE FILTER
RECEIVER DISPLAY UNIT	
A1P	PRINTED CIRCUIT BOARD
A1P	PRINTED CIRCUIT BOARD
BS1	PUSH BUTTON (ON/OFF)
H1P	LIGHT EMITTING DIODE (ON/RED)
H2P	LIGHT EMITTING DIODE (TIMER/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	
X1A	CONNECTOR (WIRELESS REMOTE CONTROLLER)
X2A	CONNECTOR (ADAPTOR FOR WIRING)
X3A	CONNECTOR (POWER SUPPLY CONNECTOR)
ADAPTOR FOR WIRING	
F1U	FUSE (B3: 3A, 250V)
KFR, KCR, KHuR	MAGNETIC RELAY
WIRED REMOTE CONTROLLER	
RT1	THERMISTOR (AIR)
SS1	SELECTOR SWITCH (MAIN/SUB)



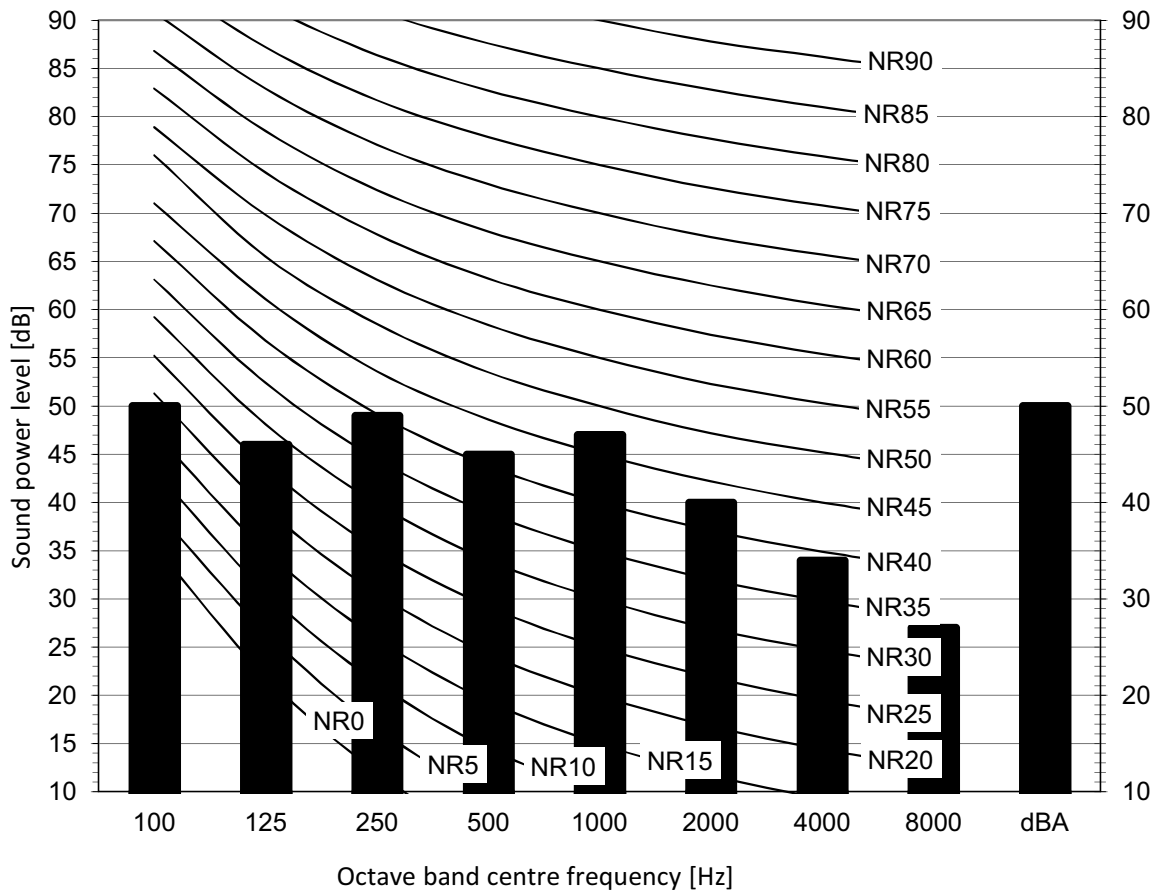
3D080362E

# 10 Sound data

## 10 - 1 Sound Power Spectrum

### FDXQ15A3

10



Notes

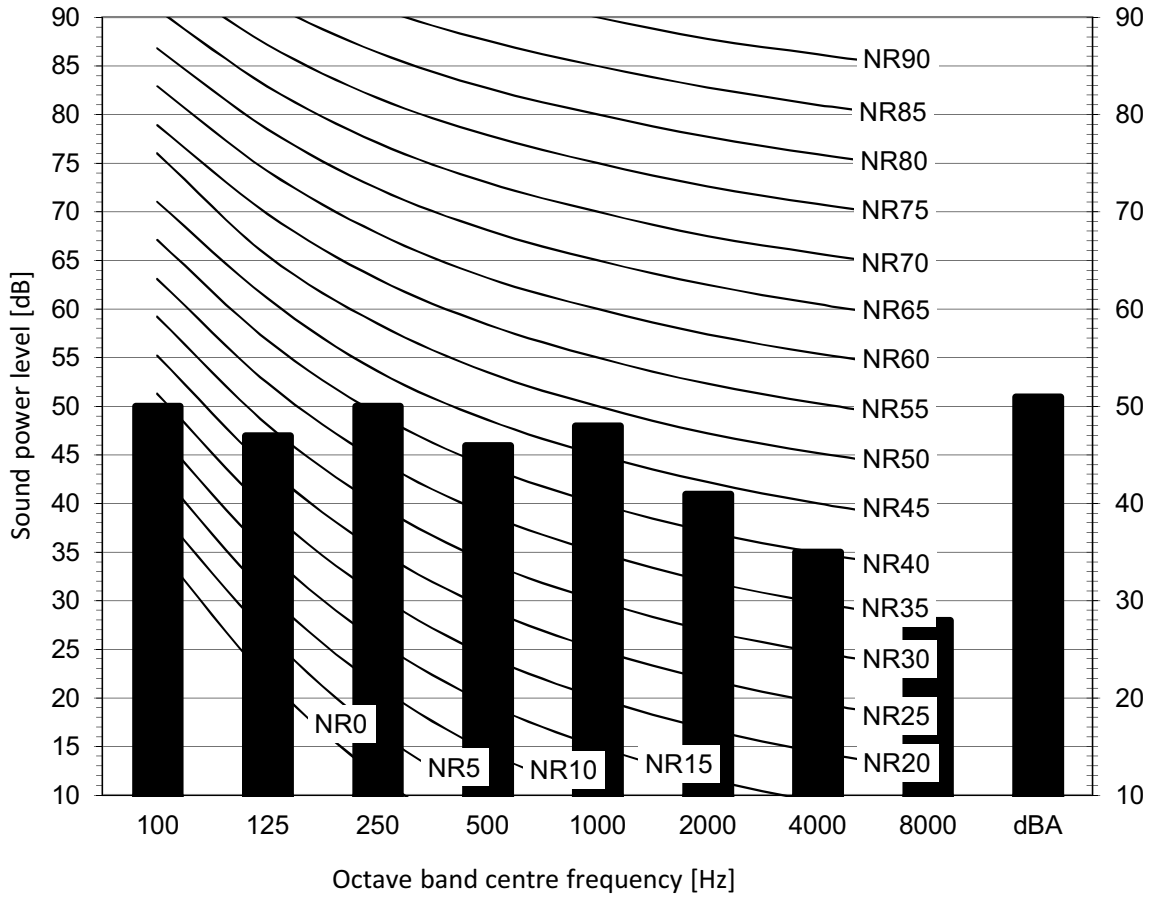
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10E-6μW/m2
- 3 Measured according to ISO 3744

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 = 10E-6Wμ/m2
- 3 Measured according to ISO 3744

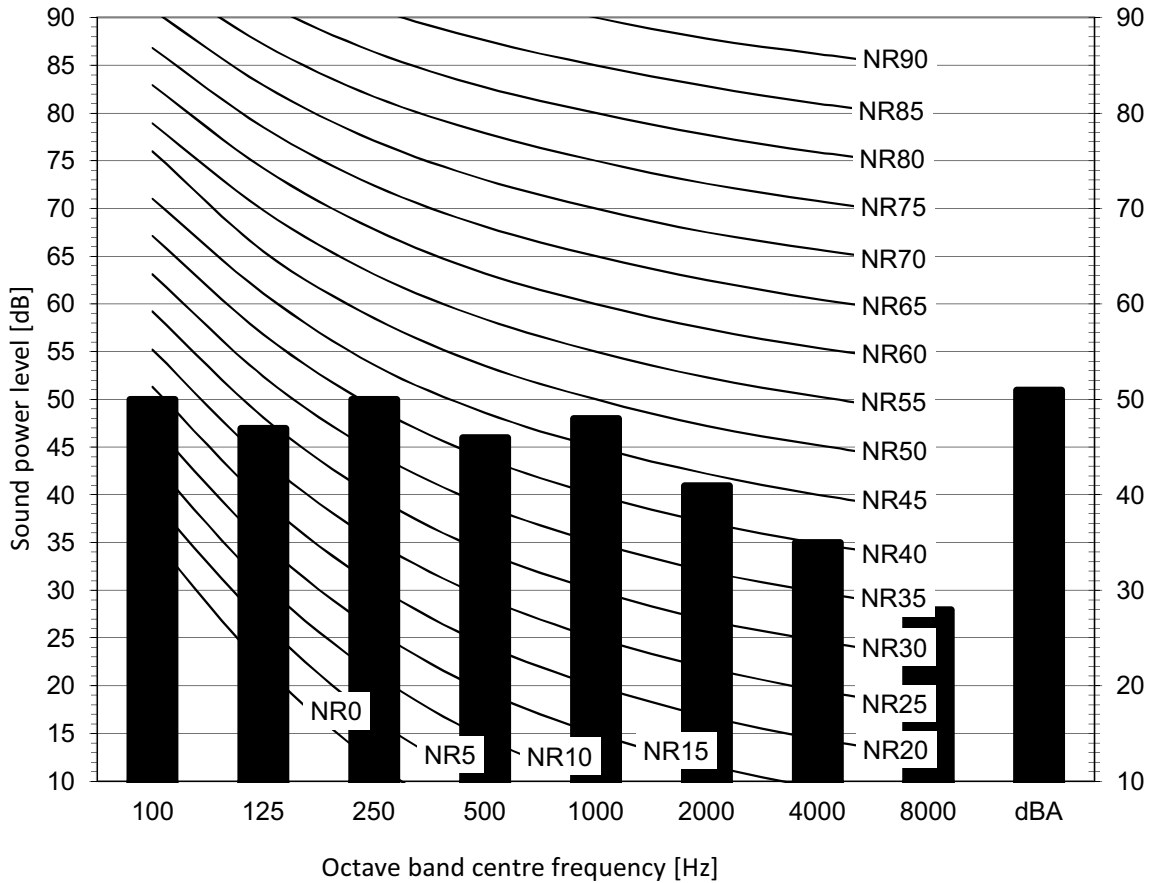
4D088132

# 10 Sound data

## 10 - 1 Sound Power Spectrum

### FXDQ25A3

10



Notes

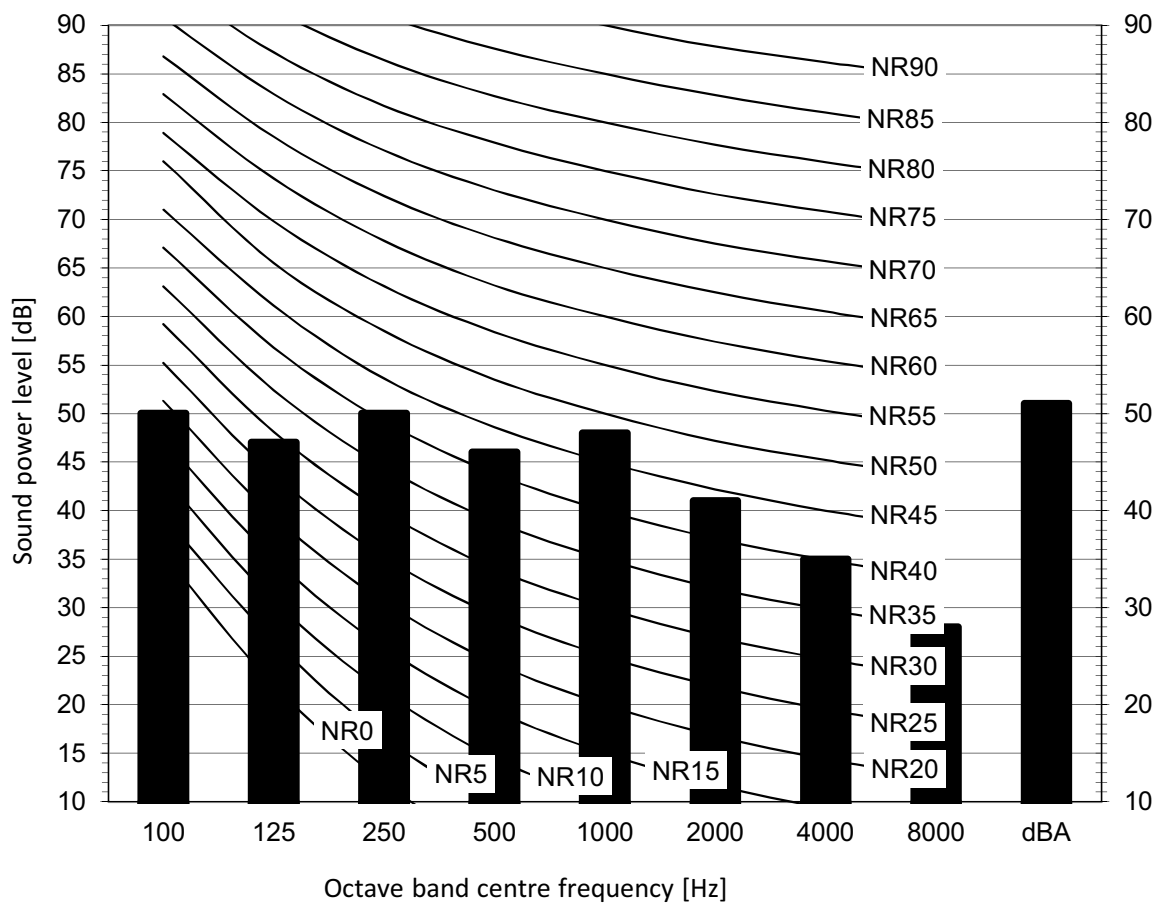
- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic intensity 0dB = 10E-6Wμ/m2
- 3 Measured according to ISO 3744

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

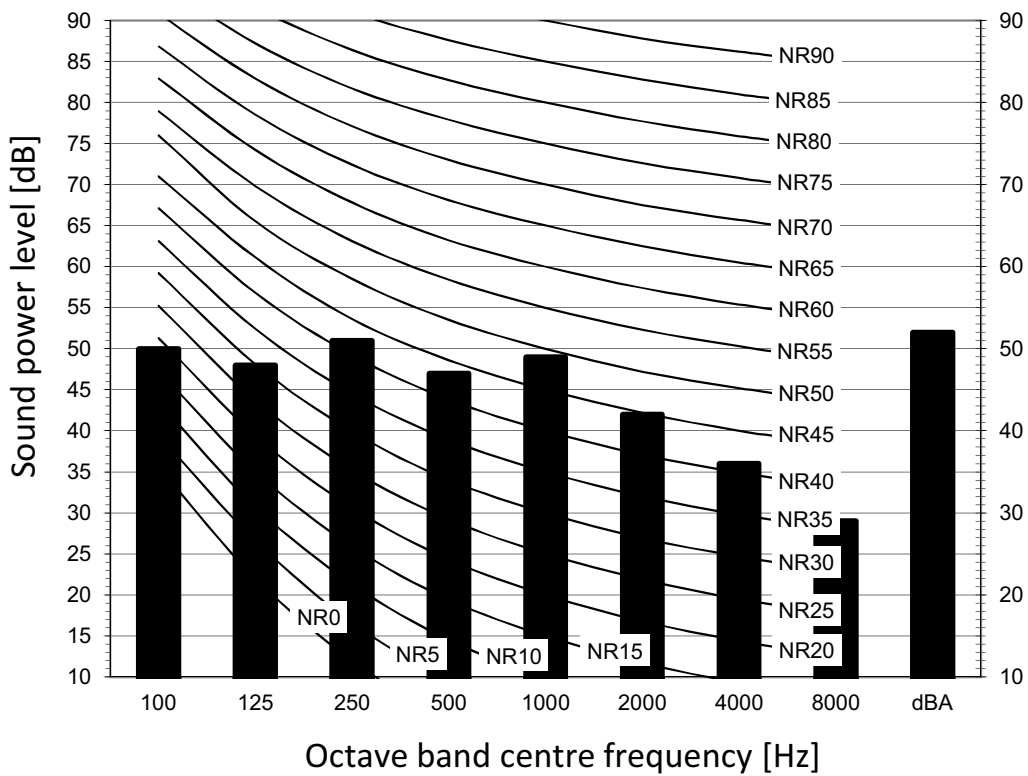
4D088134

# 10 Sound data

## 10 - 1 Sound Power Spectrum

### FXDQ40A3

10



#### 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

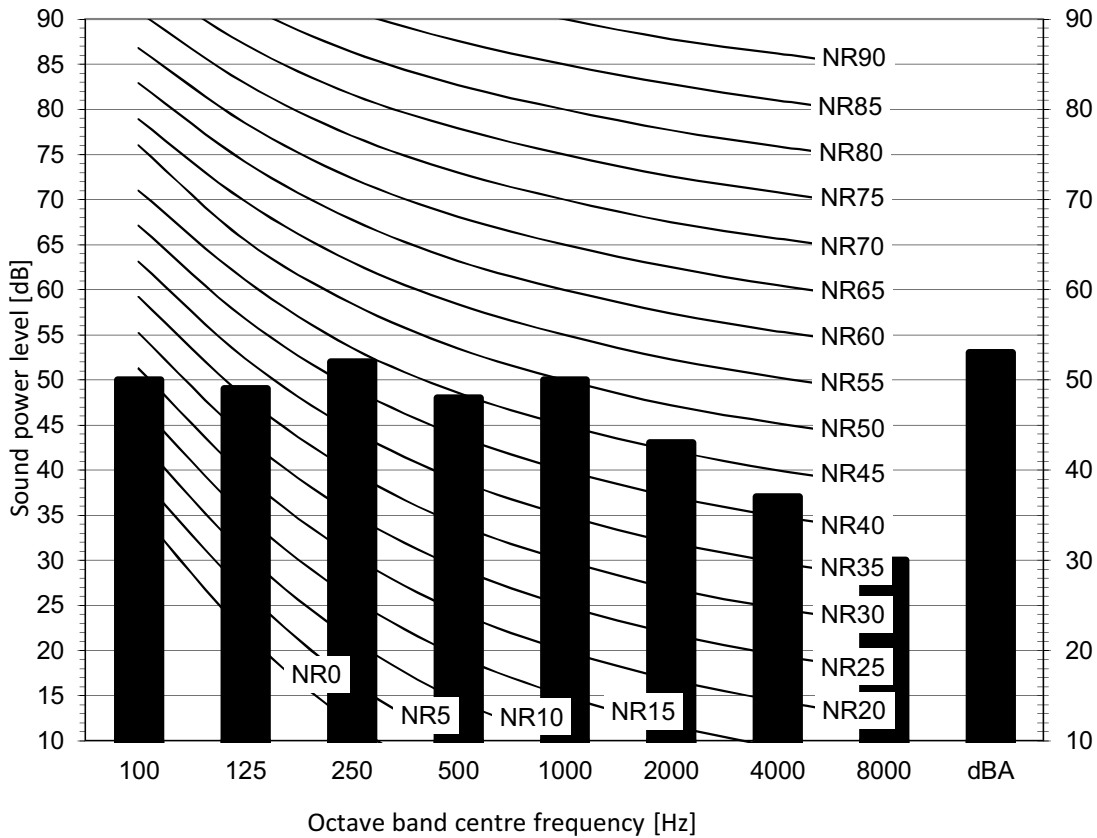
4D088135



# 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 = 10E-6Wμ/m2
- 3 Measured according to ISO 3744

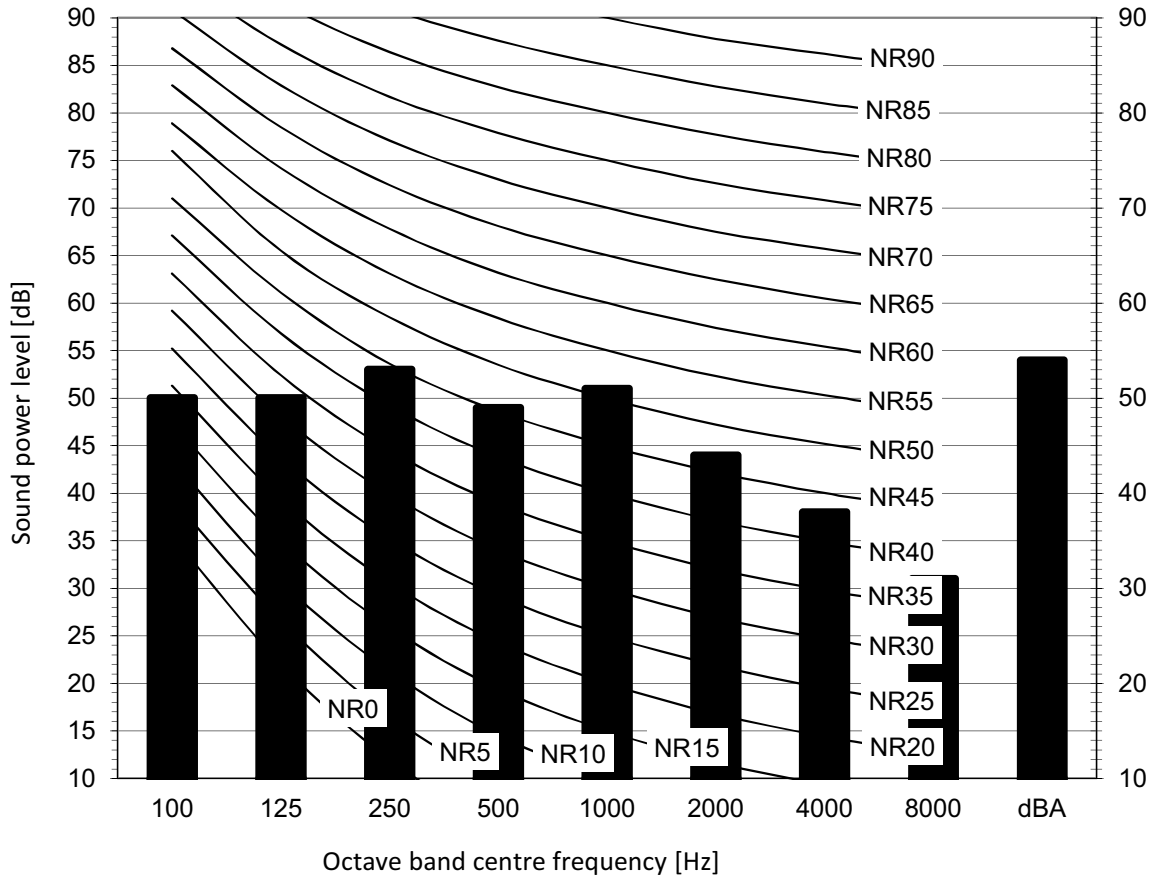
4D088136

# 10 Sound data

## 10 - 1 Sound Power Spectrum

10

### FXDQ63A3



Notes

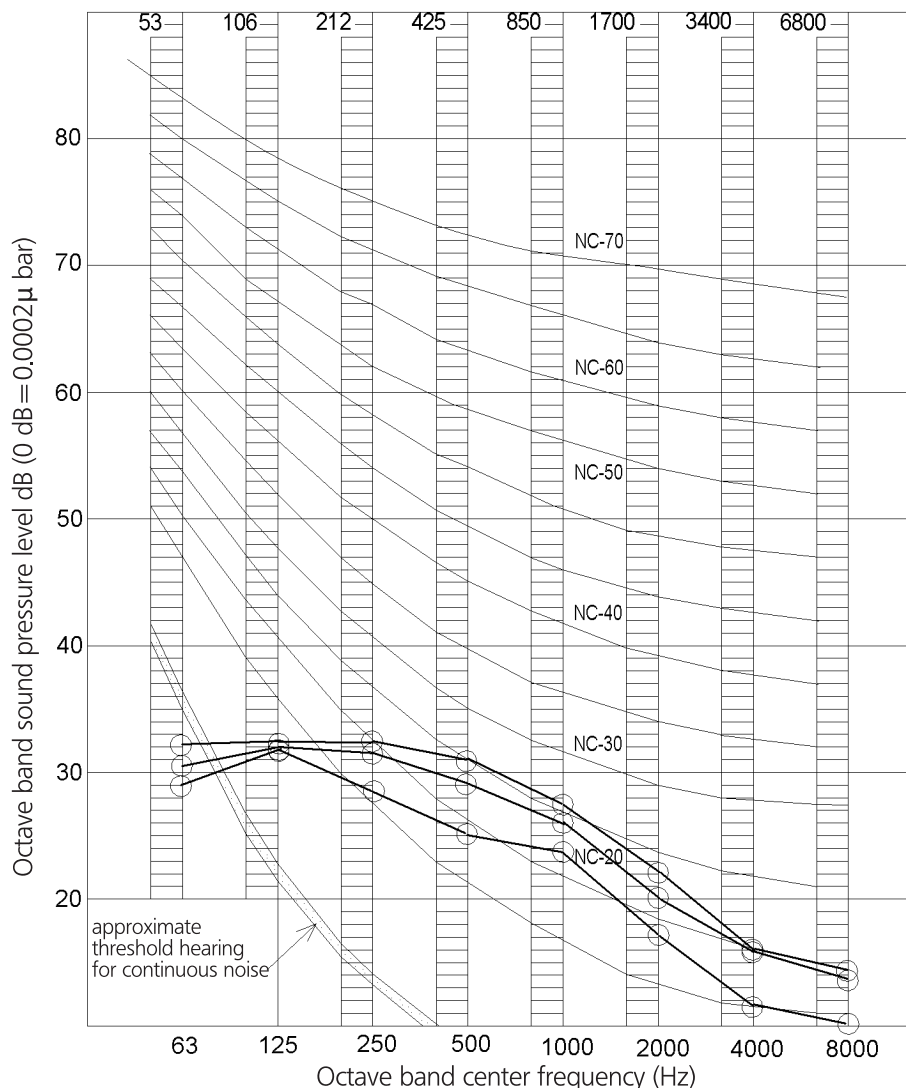
- 1 dBA = A-weighted sound power level (A scale according to
- 2 IEC). Reference acoustic intensity 0dB = 10E-6Wμ/m2
- 3 Measured according to ISO 3744

4D088137

# 10 Sound data

## 10 - 2 Sound Pressure Spectrum

### FXDQ15A3



10

### 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

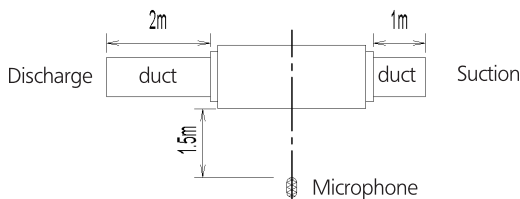
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



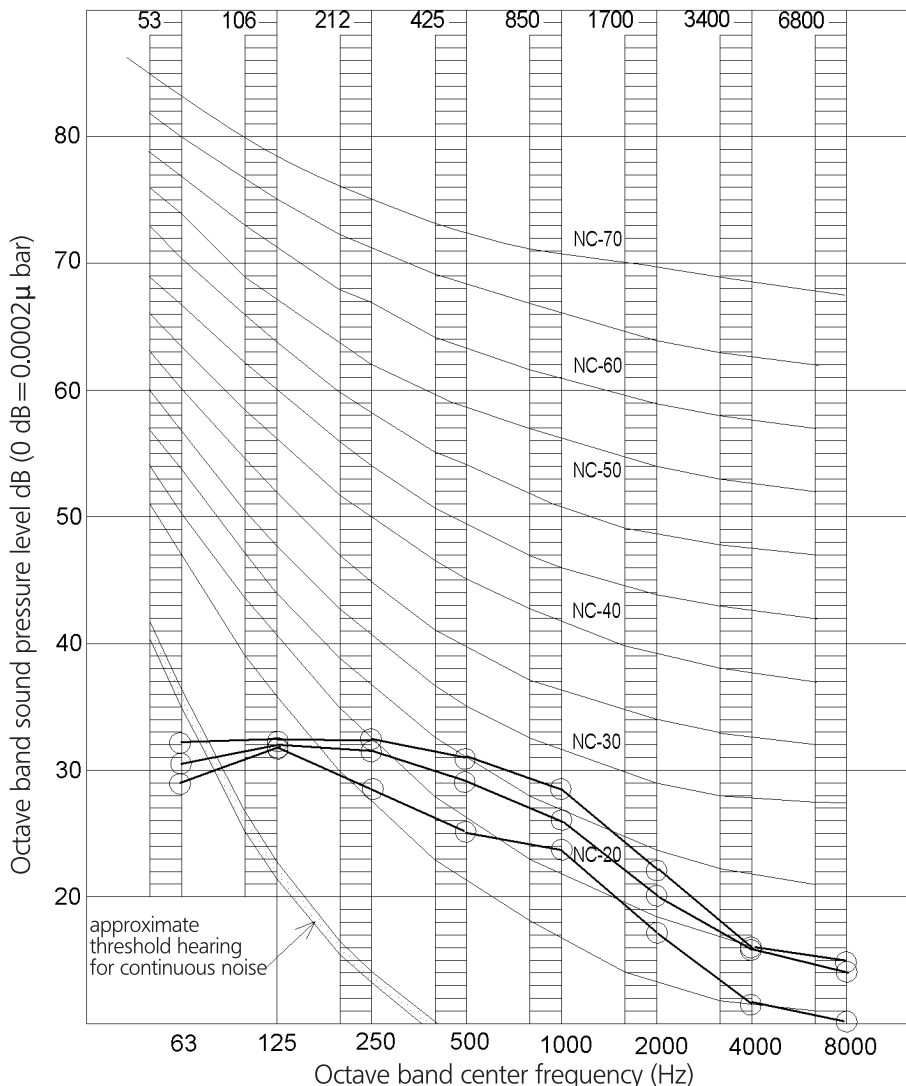
4D081438

# 10 Sound data

## 10 - 2 Sound Pressure Spectrum

### FXDQ20A3

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

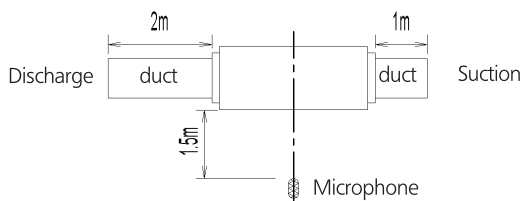
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

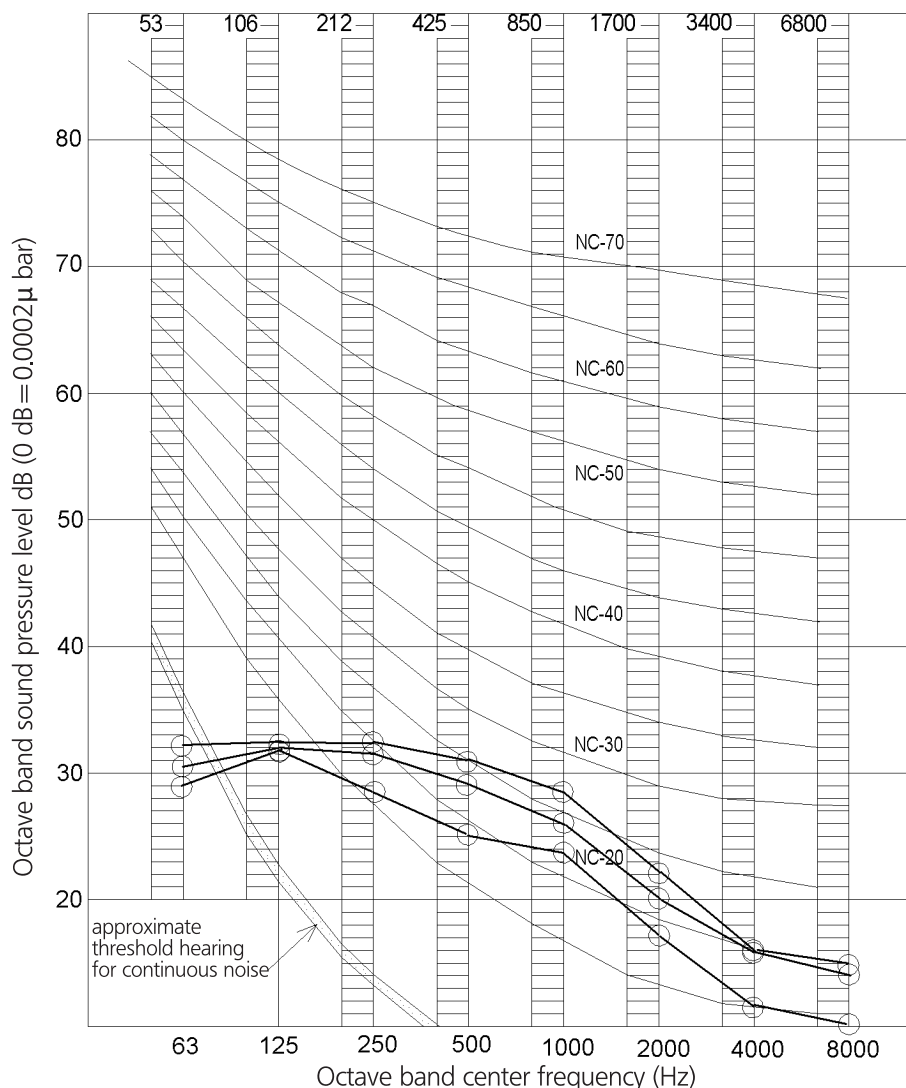


4D081439

# 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

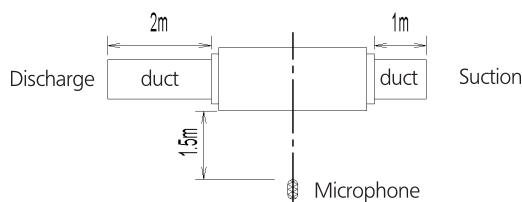
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

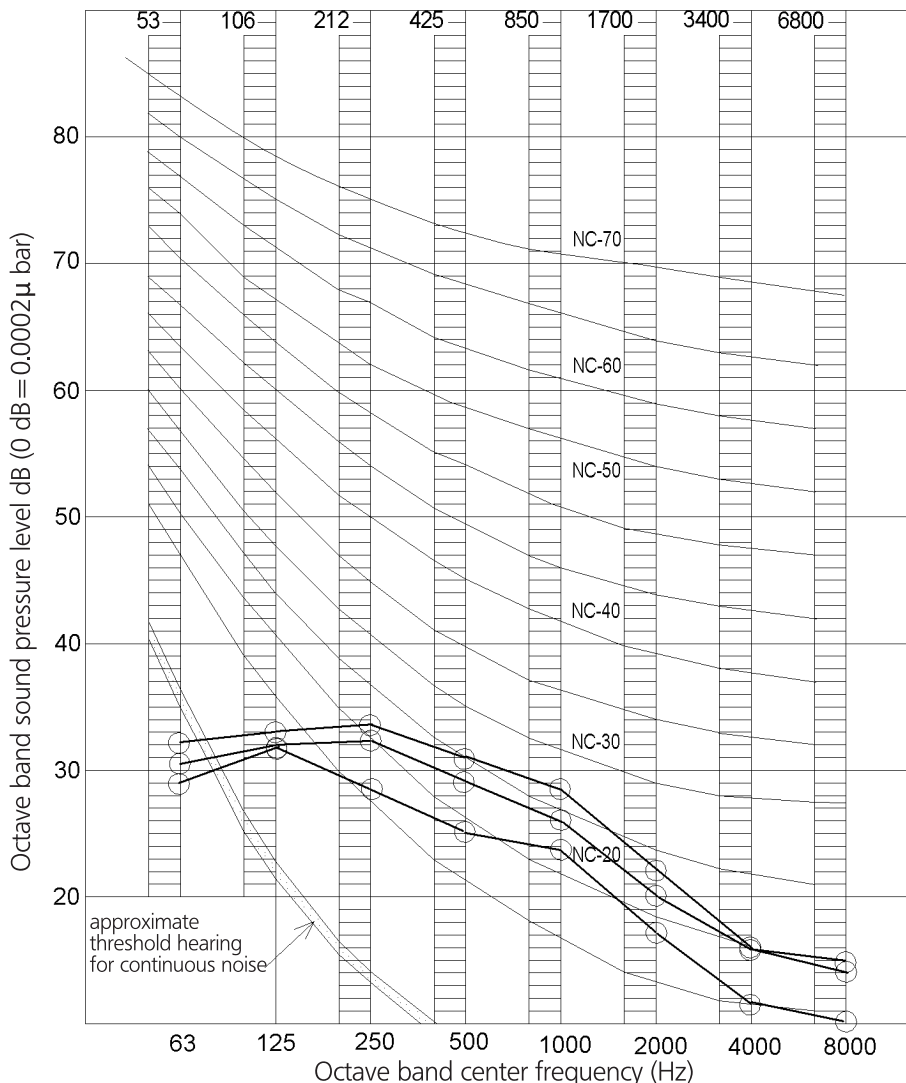


4D081440

# 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

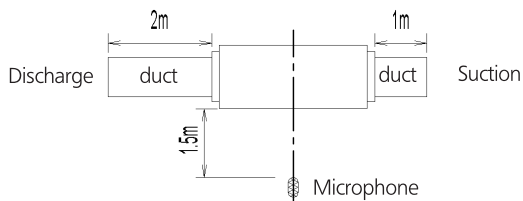
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

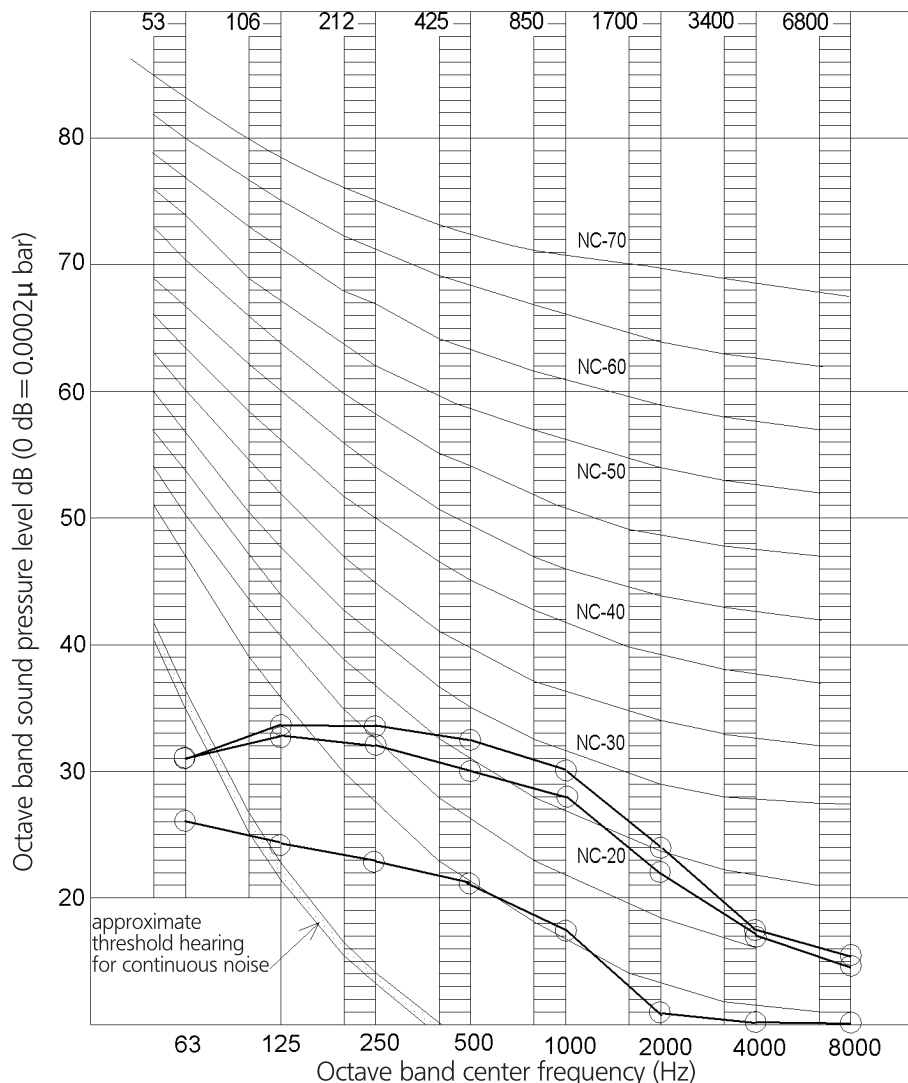


4D081442

# 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

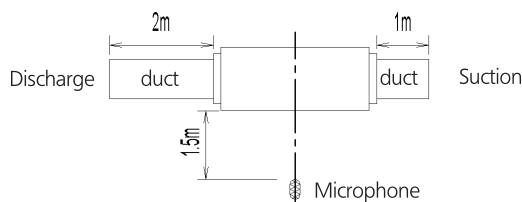
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

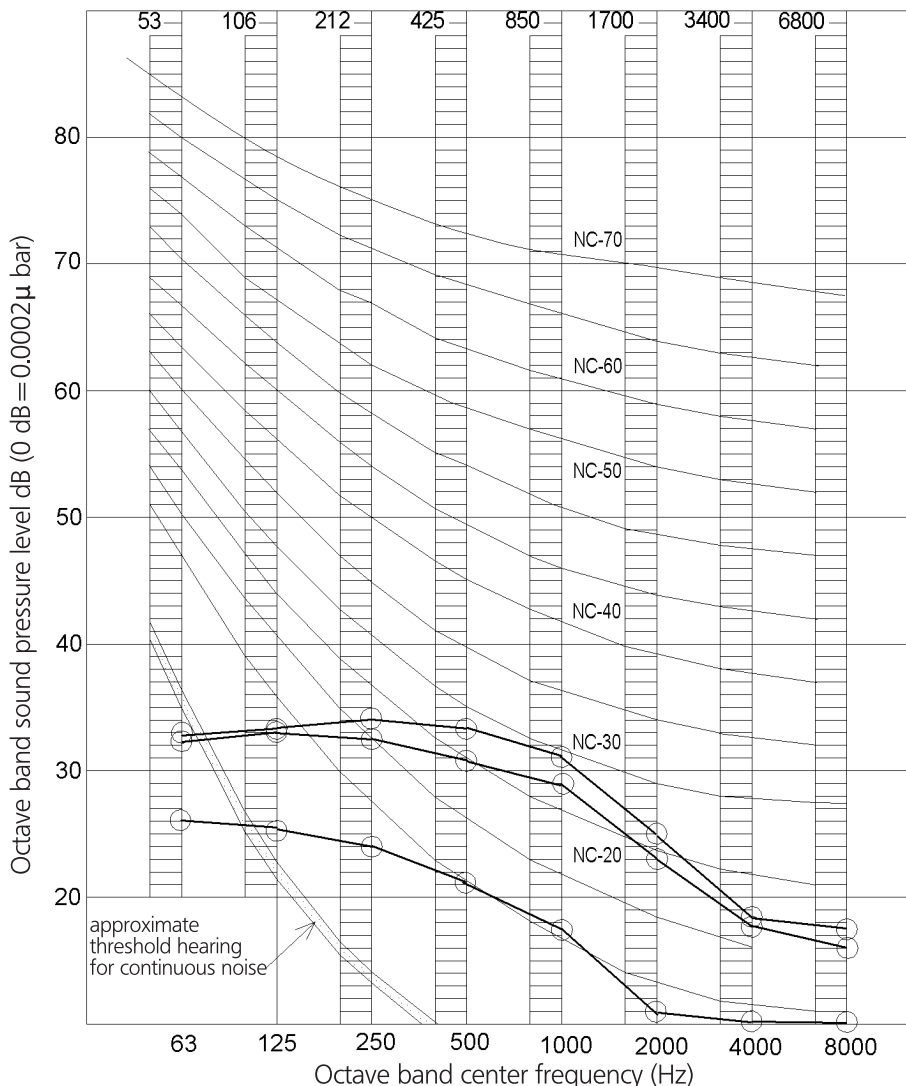


4D081443

# 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

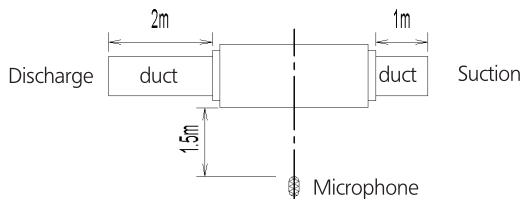
Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

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

Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



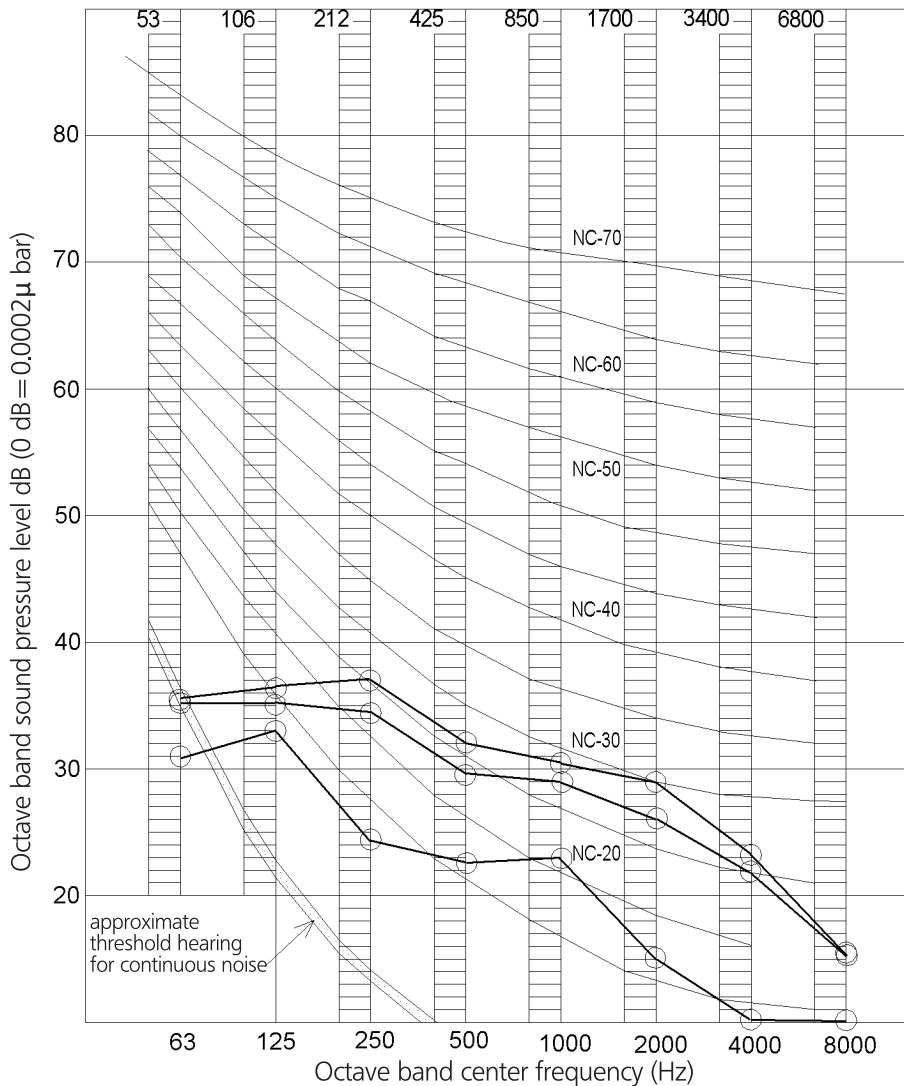
4D081444



# 10 Sound data

## 10 - 2 Sound Pressure Spectrum

### FXDQ63A3



10

### 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

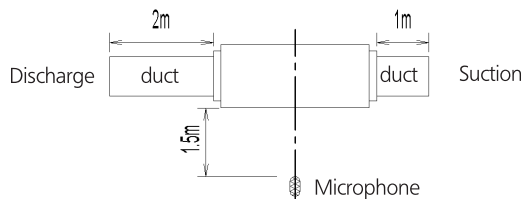
3 Operation noise differs with operation and ambient conditions.

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:

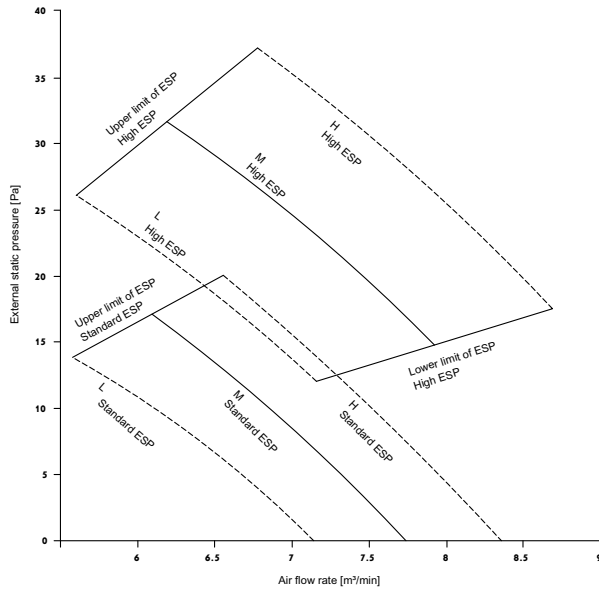


4D081445

# 11 Fan characteristics

## 11 - 1 Fan Characteristics

### FXDQ15A3



**Notes**

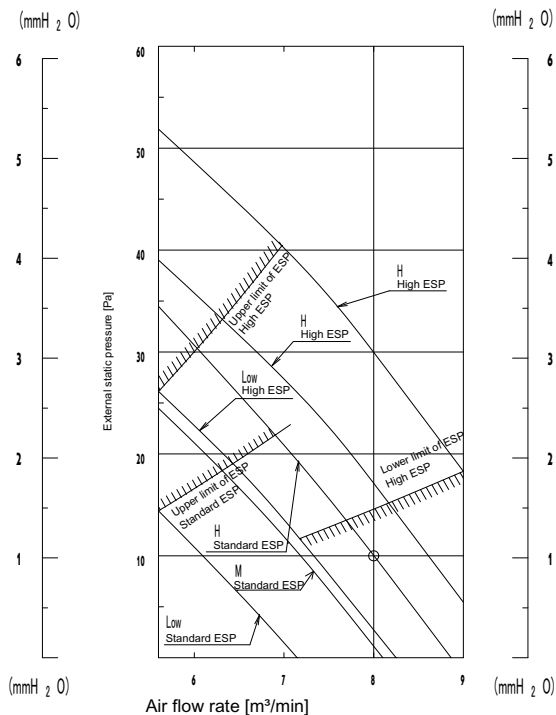
The remote controller can be used to switch between 'high' and 'low'.  
 The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081424C

### FXDQ20-25A3

**Notes**

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



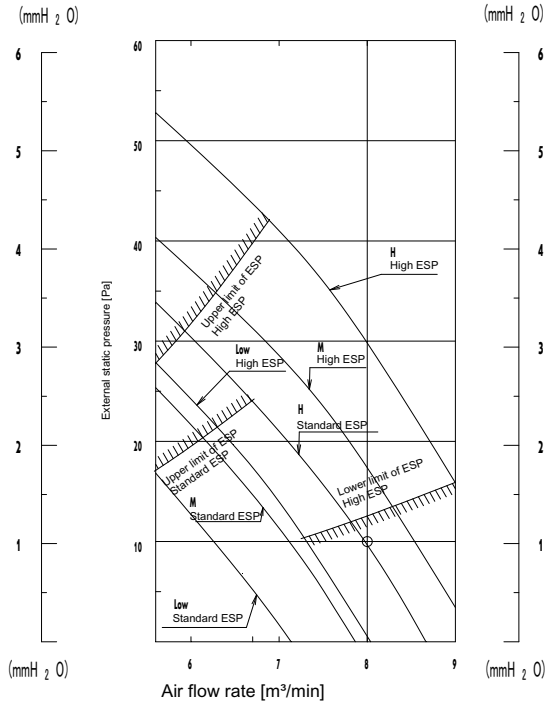
The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D086736B

# 11 Fan characteristics

## 11 - 1 Fan Characteristics

FXDQ32A3



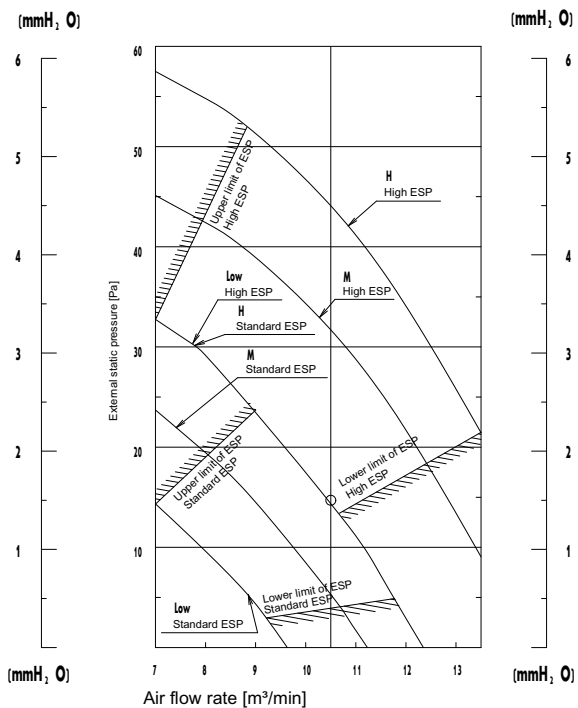
**Notes**

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'.

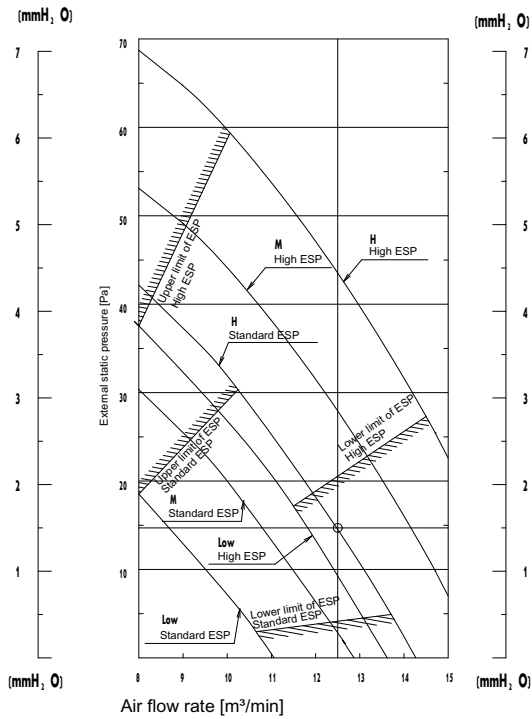
The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081426C

# 11 Fan characteristics

## 11 - 1 Fan Characteristics

### FXDQ50A3



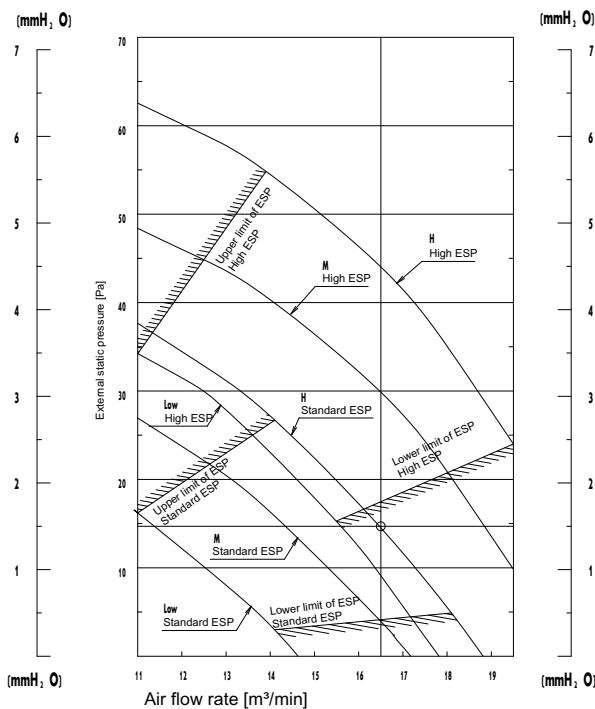
#### Notes

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 ESP' and 'high ESP' by remote controller setting.

3D081427C

### FXDQ63A3



#### Notes

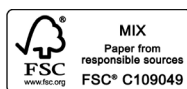
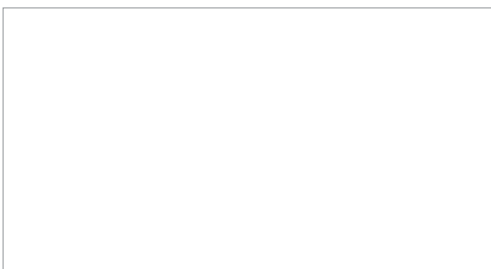
The remote controller can be used to switch between 'high' and 'low'.

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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