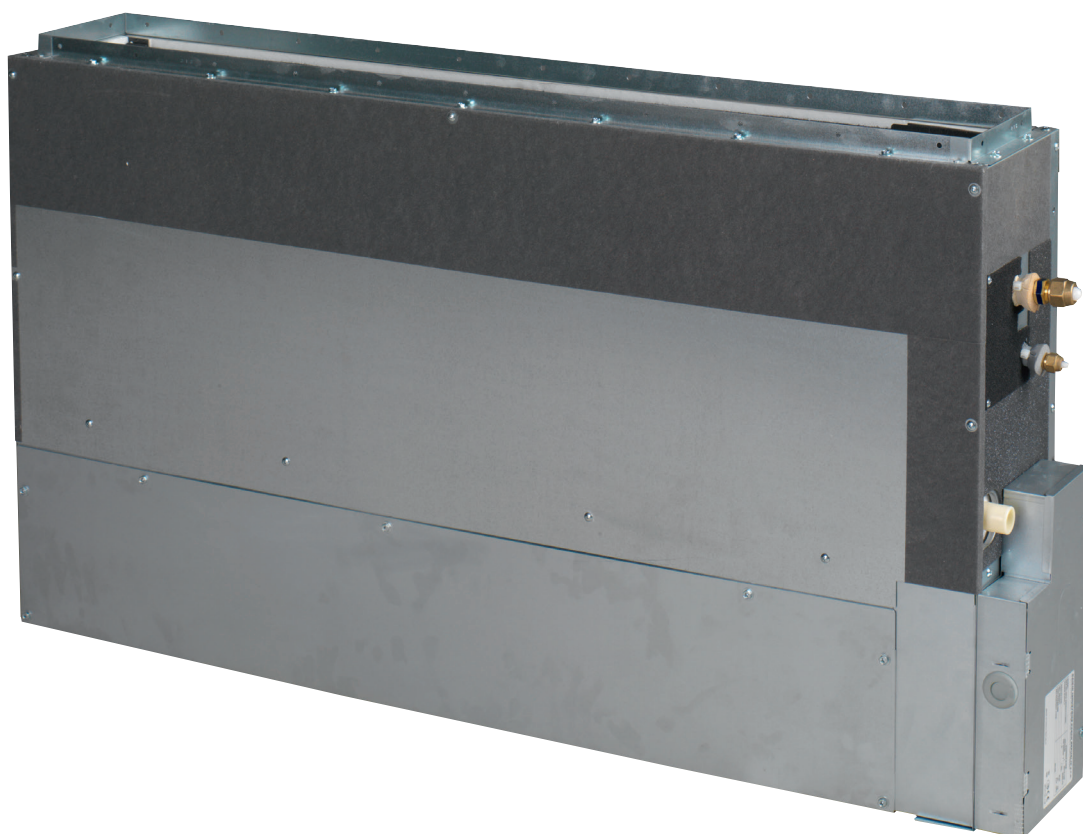


Concealed floor
standing unit
Air Conditioning
Technical Data
FXNQ-A



FXNQ20A2VEB
FXNQ25A2VEB
FXNQ32A2VEB
FXNQ40A2VEB
FXNQ50A2VEB
FXNQ63A2VEB

TABLE OF CONTENTS

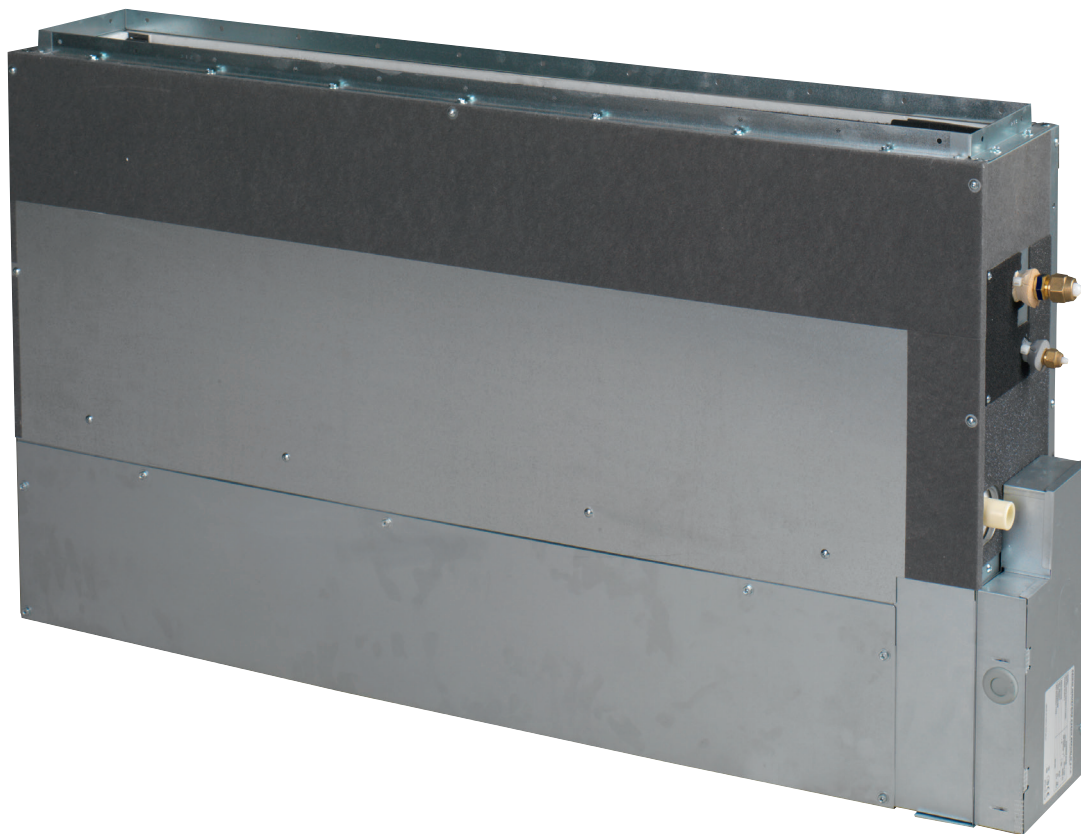
FXNQ-A

1	Features	4
	FXNQ-A	4
2	Specifications	5
3	Electrical data	7
4	Safety device settings	8
5	Options	9
6	Capacity tables	10
	Capacity Table Legend	10
	Cooling Capacity Tables	11
	Heating Capacity Tables	12
7	Dimensional drawings	13
8	Centre of gravity	15
9	Piping diagrams	18
10	Wiring diagrams	19
	Wiring Diagrams - Single Phase	19
11	Sound data	20
	Sound Power Spectrum	20
	Sound Pressure Spectrum	22
12	Fan characteristics	24

1 Features

1 - 1 FXNQ-A

- › Discretely concealed in the wall: only the suction and discharge grilles are visible
- › Requires very little installation space as the depth is only 200mm
- › Its low height (620 mm) enables the unit to fit perfectly beneath a window
- › High ESP allows flexible installation



Home leave operation



Fan only



Auto cooling-heating changeover



Fan speed steps (2 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)

2 Specifications

2 - 1 FXNQ-A

Technical specifications				FXNQ20A	FXNQ25A	FXNQ32A	FXNQ40A	FXNQ50A	FXNQ63A
Cooling capacity	Sensible capacity	At high fan speed	kW	190	2.10	2.60	3.30	4.00	4.90
	Latent capacity	At high fan speed	kW	0.300	0.700	100	120	160	2.20
	Total capacity	At high fan speed	kW	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	At high fan speed	kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	At high fan speed	kW	0.071			0.078	0.099	0.110
	Heating	At high fan speed	kW	0.068			0.075	0.096	0.107
Dimensions	Unit	Height	mm	620 (1) / 720					
		Width	mm	790		990		1,190	
		Depth	mm	200					
	Packed unit	Height	mm	265					
		Width	mm	925		1,125		1,325	
		Depth	mm	885					
Weight	Unit	kg	23.5			27.5		32.0	
	Packed unit	kg	27.5			32.0		37.0	
Casing	Colour	Unpainted							
	Material	Galvanised steel plate							
Heat exchanger	Inside length		mm	500		700		900	
	Rows	Quantity		2		3			
	Fin pitch		mm	150					
	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			70 Hi-XD					
	Fin	Type		Cross fin coil					
	Fan	Type			Sirocco fan				
Quantity			2		3		4		
Air flow rate - 50Hz		Cooling	At high fan speed	m³/min	8.0		10.5	12.5	16.5
			At medium fan speed	m³/min	7.20		9.50	110	14.5
			At low fan speed	m³/min	6.4		8.5	10.0	13.0
		Heating	At high fan speed	m³/min	8.0		10.5	12.5	16.5
			At medium fan speed	m³/min	7.2		9.5	110	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			
		High	Pa	41.0		42.0	52.0	59.0	55.0
Sound power level	Cooling	At high fan speed	dB(A)	51		52	53	54	
Sound pressure level	Cooling	At high fan speed	dB(A)	30.0		32.0	33.0	35.0	
		At medium fan speed	dB(A)	28.5		30.0	310	33.0	
		At low fan speed	dB(A)	27.0		28.0	29.0	32.0	
	Heating	At high fan speed	dB(A)	30.0		32.0	33.0	35.0	
		At medium fan speed	dB(A)	28.5		30.0	310	33.0	
		At low fan speed	dB(A)	27.0		28.0	29.0	32.0	
Fan motor	Quantity			1					
	Model			KFD-280-44-8A		KFD-280-65-8A			
	Speed	Steps		3					
	Output	Max	W	44		65			
Refrigerant	Type			R-410A					
	GWP			2,087.5					
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			Foamed polystyrene / Foamed polyethylene					
Sound absorbing insulation			Butyl Rubber						
Air filter	Type			Resin net					
Control systems	Infrared remote control			BRC4C65					
	Wired remote control			BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					

2 Specifications

2 - 1 FXNQ-A

2

Electrical specifications		FXNQ20A	FXNQ25A	FXNQ32A	FXNQ40A	FXNQ50A	FXNQ63A
Power supply	Name	VE					
	Phase	1~					
	Frequency	50/60					
	Voltage	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

(1)Including installation legs |

(2)The sound power level is an absolute value indicating the power which a sound source generates. |

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

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

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

(6)Use a circuit breaker instead of a fuse. |

(7)MCA/MFA; MCA= 1,25 x FLA; MFA=< 4 x FLA; The next lower standard fuse rating is minimum 16 ampere. |

(8)Contains fluorinated greenhouse gases |

(9)Next lower standard fuse rating minimum 16A

3 Electrical data

3 - 1 Electrical Data

FXNQ-A

Indoor Units				Power supply		IFM	Power input (W)		
Model	Hz	Volts	Voltage range	MCA	MFA	FLA	Cooling	Heating	
FXNQ20A	50/60	220~240/220V	Max. 264V/Max. 242V Min. 198V/Min. 198V	0.4	16	0.3	71	68	
FXNQ25A									
FXNQ32A				0.5		0.4	78	75	
FXNQ40A									
FXNQ50A									
FXNQ63A				0.6		0.5	110	107	

SYMBOLS

MCA	: Min. Circuit Amps. (A)
MFA	: Max. Fuse Amps. (A)
IFM	: Indoor Fan Motor.
FLA	: Full Load Amps. (A)

NOTES

- 1 Voltage range
Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above the listed range limits.
- 2 Select wire size based on the MCA.
- 3 Maximum allowable voltage unbalance between phases is 2%.
- 4 Instead of fuse, use circuit breaker.
- 5 MCA/MFA
MCA=1.25xFLA
MFA≤4xFLA
(next lower standard fuse rating min. 16A)

3D096320A

4 Safety device settings

4 - 1 Safety Device Settings

FXNQ-A

Safety devices		20	25	32	40	50	63
FXNQ	Printed circuit board (main)	250V, 3, 15A	250V, 3, 15A	250V, 3, 15A	250V, 3, 15A	250V, 3, 15A	250V, 3, 15A
	Fan motor thermal protector	° C	° C	° C	° C	° C	° C

3D097180

5 Options

5 - 1 Options

FXNQ-A

Option kit		Product name	Availability	
			FXNQ20-63A2VEB	FNQ25-60A2VEB
Individual control systems	Wired remote control	BRC1E53A7/B7/C7, BRC1D528, BRC1H52W/S/K, BRC1H82W/S	✓	✓
	Simplified remote control for hotel use	BRC2E52C7③	✓	✓
	Stylish remote control	BRC1E52A, BRC1E52B	✓	✓
	Remote control for hotel use	BRC2E52C7③	✓	✓
	Wireless remote control	BRC4C65	✓	✓
Centralised control systems	Central remote control	DCS302CA51, DSC302CA61①	✓	✓
	Unified ON/OFF controller	DSC301BA51, DCS301BA61①	✓	✓
	Schedule timer	DST301BA51, DST301BA61①	✓	✓
	Residential central remote control	DCS303A51①②	✓	✓
Other options	Adaptor for wiring	KRP1B56	✓	✓
	Wiring adaptor for electrical appendices -1-	KRP2A53	✓	✓
	Wiring adaptor for electrical appendices -2-	KRP4A54	✓	✓
	Remote sensor	KRCS01-4B	✓	✓
	Service space of installation box for adaptor PCB.	KRP1BA101	✓	✓
	Electrical box with earth terminal (-2- blocks)	KJB212AA	✓	✓
	Electrical box with earth terminal (-3- blocks)	KJB312AA	✓	✓
	Noise filter (for electromagnetic interface only)	KEK26-1A	✓	✓
	External adaptor for outdoor unit (installation on indoor unit)	DTA104A53	✓	
	Multi-tenant	DTA114A61	✓	
	Digital input adaptor	BRP7A54④⑤	✓	✓

Notes

- ① For Daikin Middle East only.
- 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 This option needs to be installed together with installation box -KRP1B(A)101-.
- ⑤ Only possible in combination with -BRC2/3E52C7, BRC1E53A/B/C7, BRC1H52W/S/K, BRC1H82W/S-

3D096739C

6 Capacity tables

6 - 1 Capacity Table Legend

In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

Below you can find the link to the capacity table database and an overview of all the tools we have to help you select the correct product:

- **Capacity table database:** lets you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
- You can access the capacity table viewer here:
https://my.daikin.eu/content/denv/en_US/home/applications/software-finder/capacity-table-viewer.html



- An overview of **all software tools** that we offer can be found here:
https://my.daikin.eu/denv/en_US/home/applications/software-finder.html



6 Capacity tables

6 - 2 Cooling Capacity Tables

FXNQ-A

Unit size	Outdoor °CDB	Indoor air temp.													
		14.0 WB		16.0 WB		18.0 WB		19.0 WB		20.0 WB		22.0 WB		24.0 WB	
		20.0 DB		23.0 DB		26.0 DB		27.0 DB		28.0 DB		30.0 DB		32.0 DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	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
20	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
25	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
32	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
40	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
50	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
63	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

TC: Total capacity (kW)
SHC: Sensible heating capacity (kW)

3TW32902-4A

6 Capacity tables

6 - 3 Heating Capacity Tables

FXNQ-A

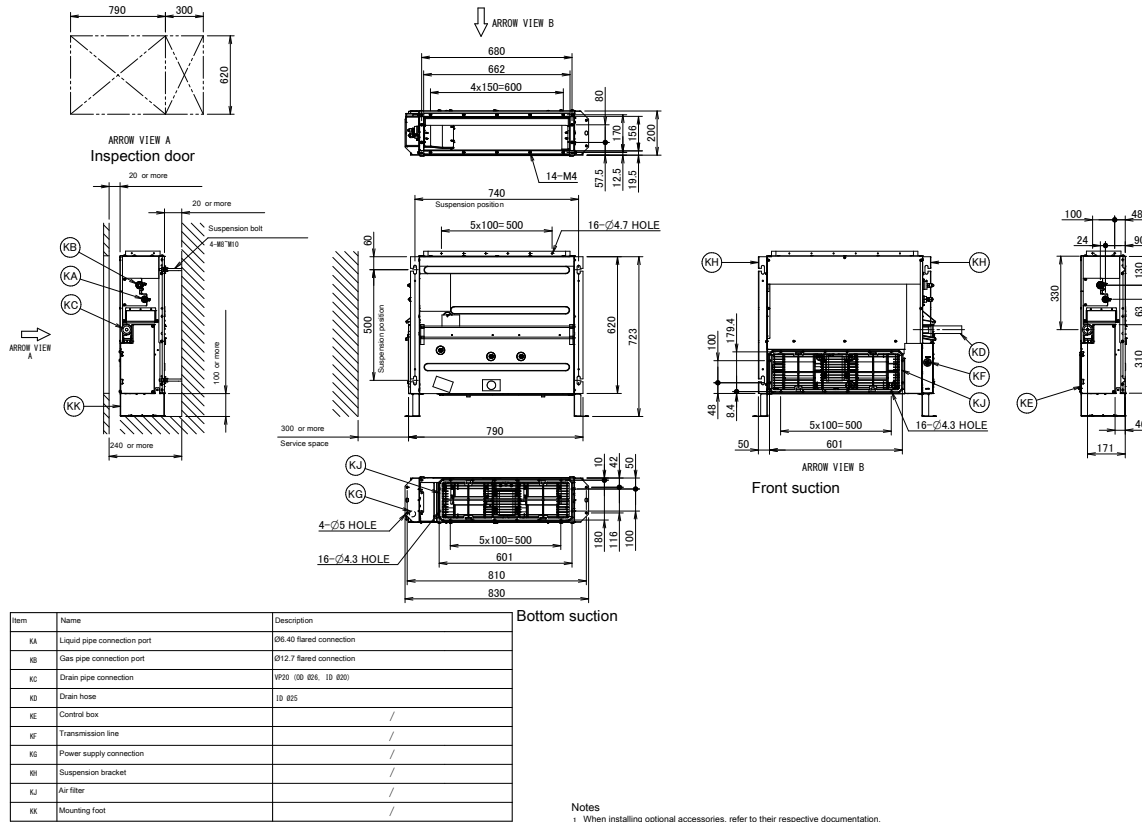
Unit size	Outdoor air temp.		On coil temp.: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
15	7.0	6.0	2.0	2.0	1.9	1.8	1.8	1.7
20	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
25	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
32	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
40	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
50	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
63	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0

3TW32902-3

7 Dimensional drawings

7 - 1 Dimensional Drawings

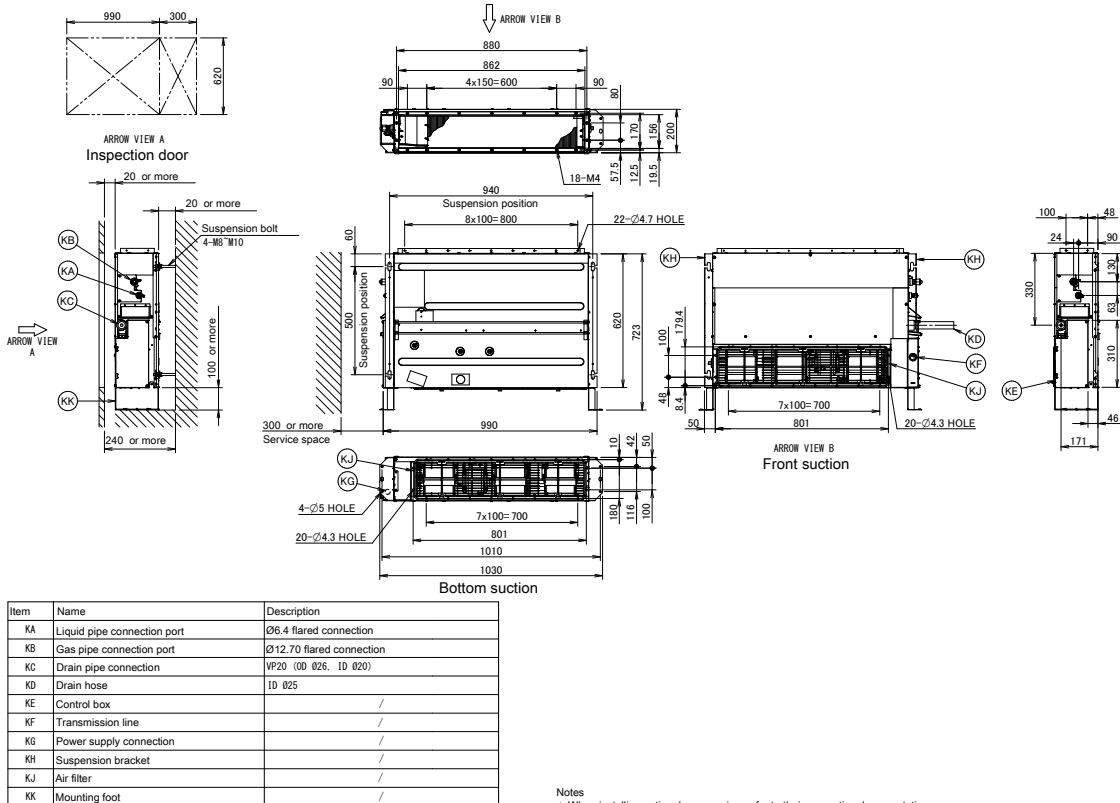
FXNQ20-32A



Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096749A

FXNQ40-50A



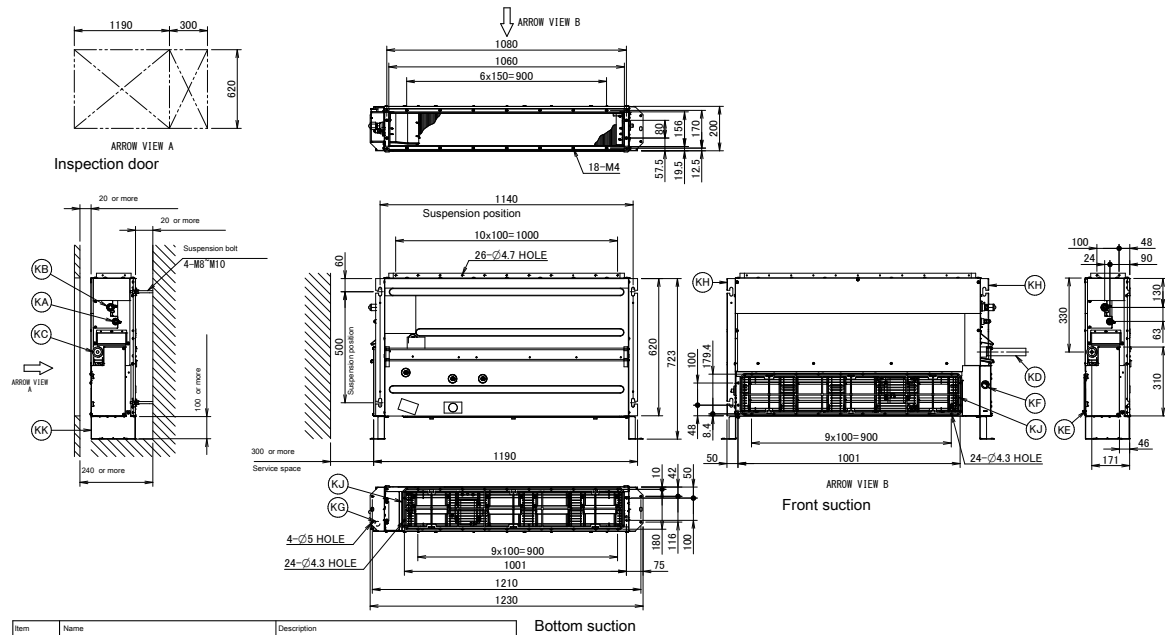
Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096747

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXNQ63A



Item	Name	Description
KA	Liquid pipe connection port	Ø19.52 flared connection
KB	Gas pipe connection port	Ø15.9 flared connection
KC	Drain pipe connection	VP20 (ID Ø26, ID Ø30)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

Bottom suction

Notes

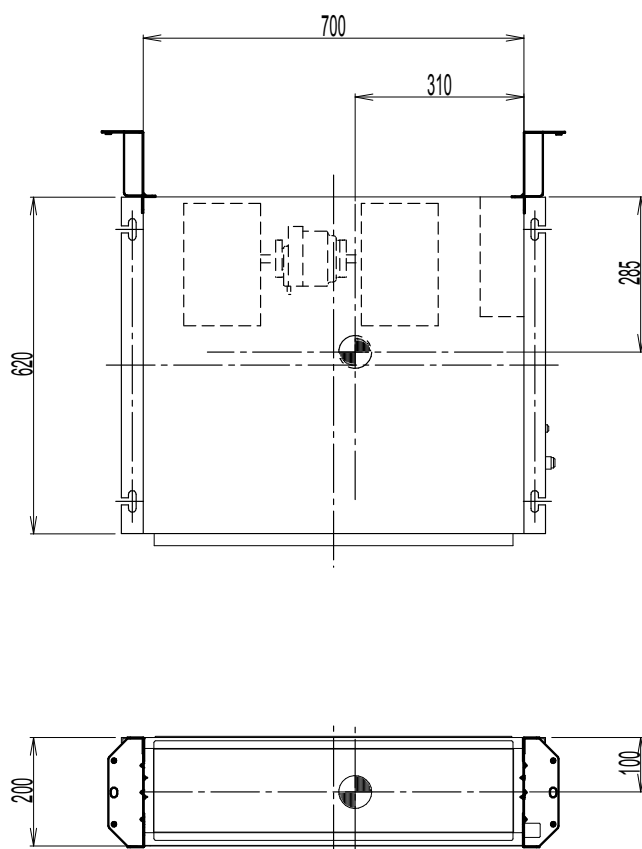
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096740A

8 Centre of gravity

8 - 1 Centre of Gravity

FXNQ20-32A

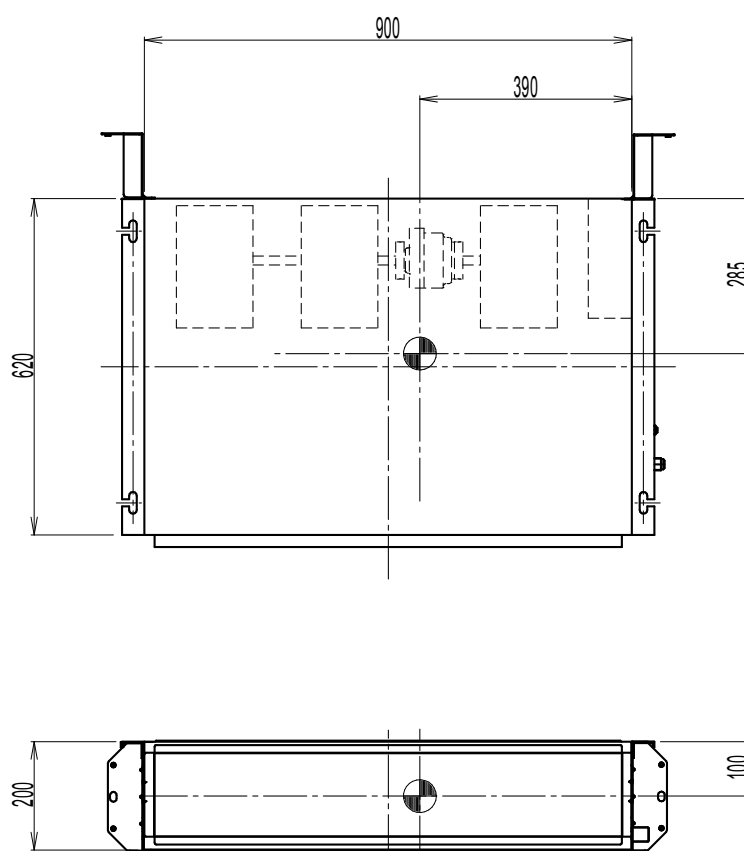


4D096841A

8 Centre of gravity

8 - 1 Centre of Gravity

FXNQ40-50A

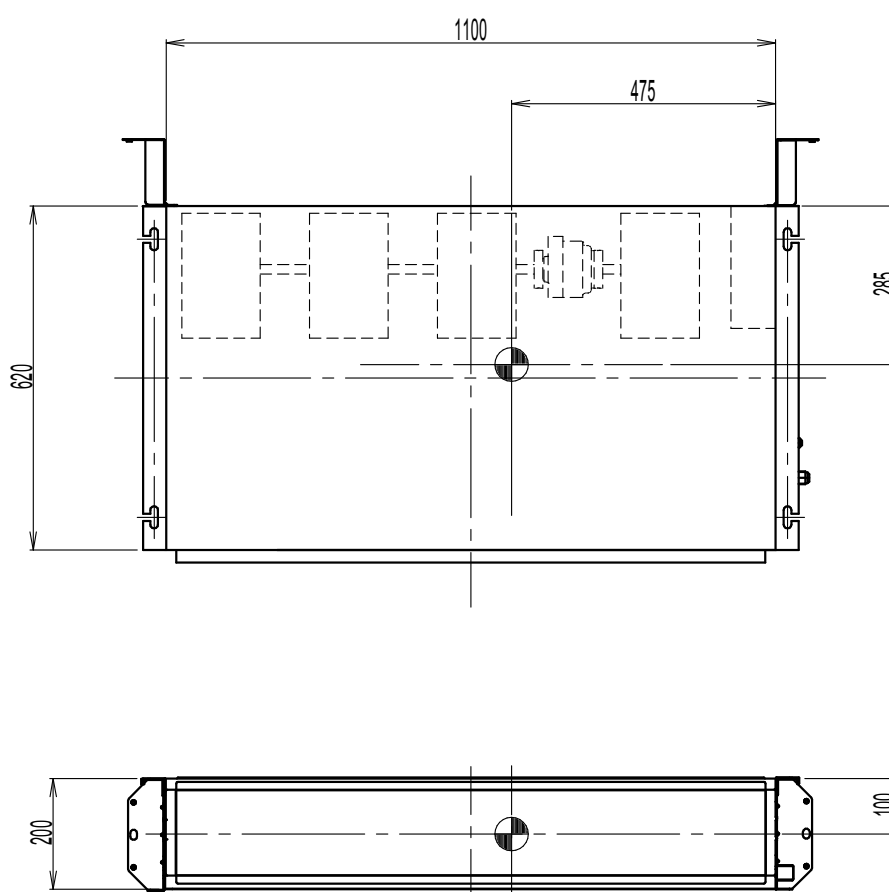


4D096842

8 Centre of gravity

8 - 1 Centre of Gravity

FXNQ63A

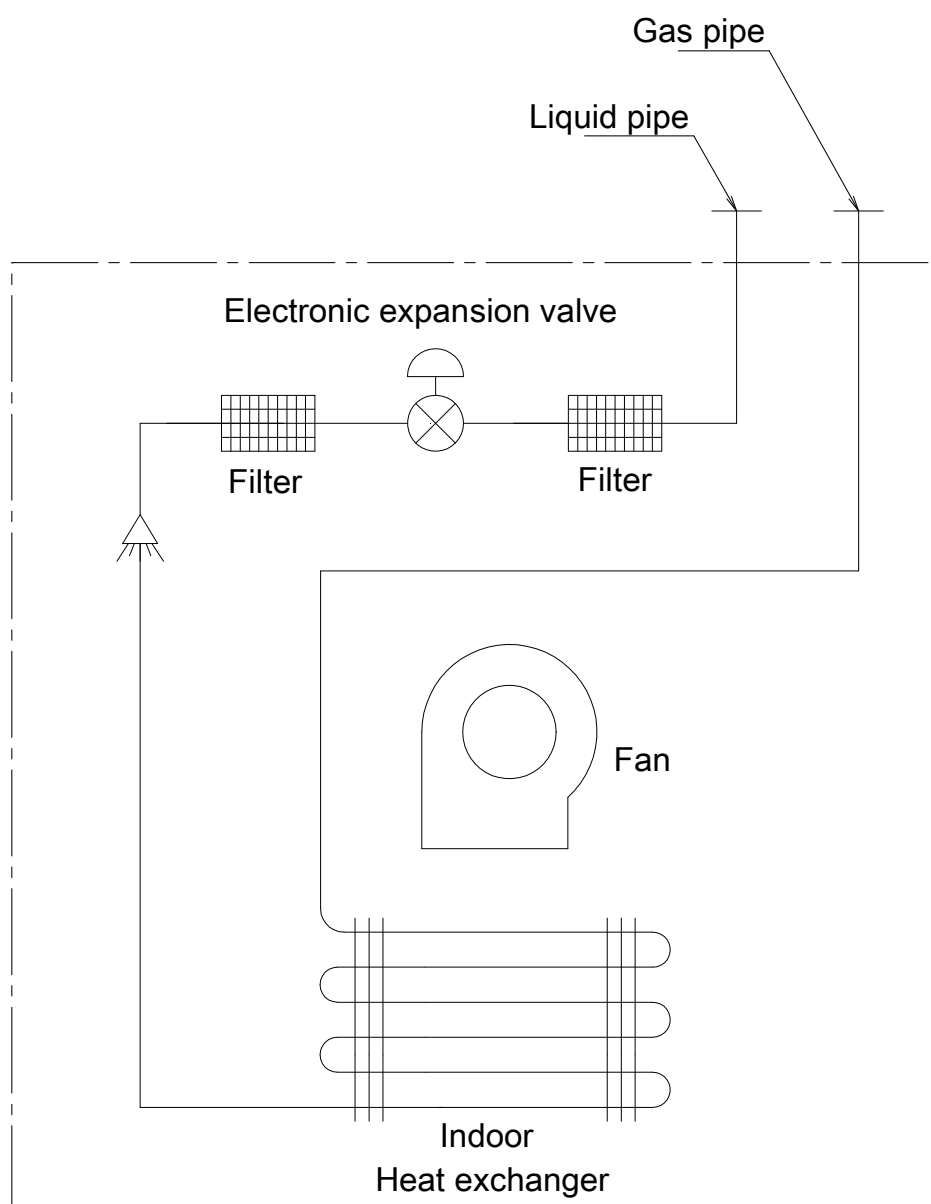


4D096843A

9 Piping diagrams

9 - 1 Piping Diagrams

FXNQ-A

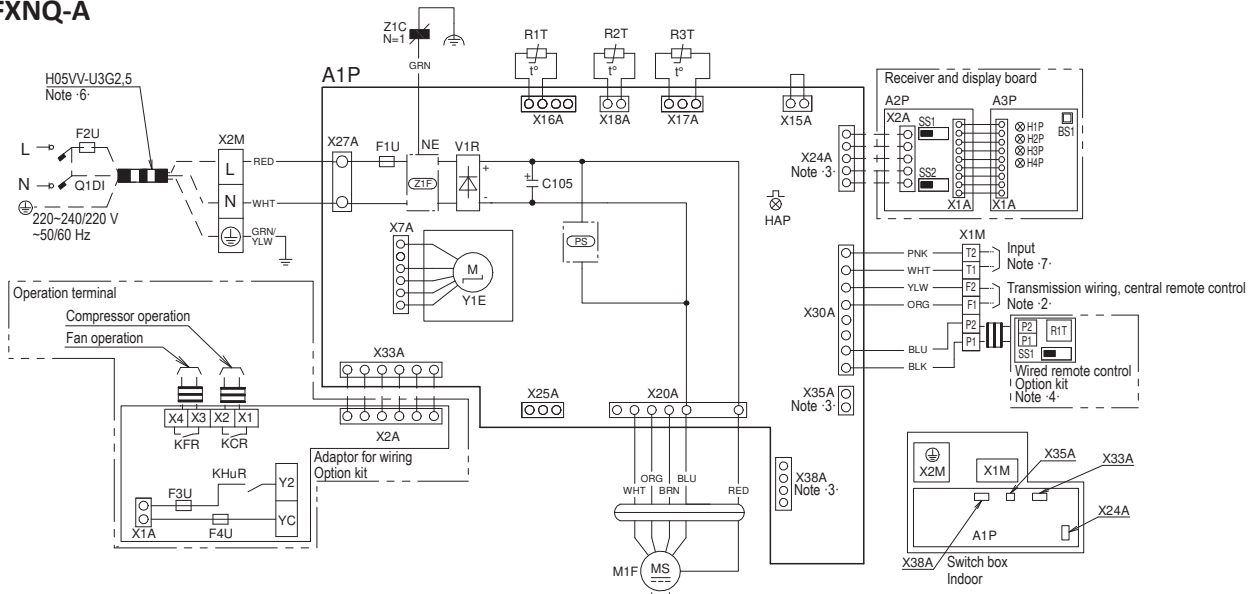


4D081336B

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXNQ-A



Indoor unit			
A1P	Printed circuit board	H1P	Light-emitting diode (on - red)
C105	Capacitor	H2P	Light-emitting diode (filter diagnostic - red)
(PS)	Power supply	H3P	Light-emitting diode (timer - green)
F1U	Fuse (T,3,15A,250V)	H4P	Light-emitting diode (defrost - orange)
F2U	Field fuse	SS1	Select switch (main/sub)
Z1C	Ferrite core	SS2	Select switch (wireless address set)
HAP	Light-emitting diode (service monitor is green)	Connector (optional accessories)	
M1F	Motor (fan)	X24A	Connector Wireless remote control
Q1DI	Earth leakage detector	X33A	Connector Adaptor for wiring
R1T	Thermistor (air)	X35A	Connector Power supply
R2T, R3T	Thermistor (coil)	X38A	Connector Multi-tenant
V1R	Diode bridge	Adaptor for wiring	
X1M	Terminal block (control)	F3U, F4U	Fuse ((B), 5A, 250V)
X2M	Terminal block (power)	KFR, KCR, KHuR	Magnetic relay
Y1E	Electronic expansion valve	Wired remote control	
(Z1F)	Noise filter	R1T	Thermistor (air)
Receiver and display board		SS1	Select switch (main/sub)
A2P	Printed circuit board		
A3P	Printed circuit board		
BS1	Push button (ON/OFF)		

NOTES

- : terminal block, □□□□: connector, □□□□: field wiring,
 - : wire clamp, ⊕: Protective earth (screw), L: Live, N: Neutral
- When using a central remote control, connect it to the unit according to the installation manual.
- X24A, X33A, X35A, X38A are connectors for the optional accessories.
- For how to switch between the main unit and the sub units, refer to the installation manual of the remote control.
- Colours: blk:black; red:red; blu:blue; wht:white; grn:green; ylw:yellow; brn:brown; org:orange; pnk:pink; gry: grey; prp: purple
- If the piping is protected, use cable type H05VV-U3G2,5. If the piping is not protected, use cable type H07RN-F.
- When connecting the input wires from outside, forced OFF or On/OFF control operation can be selected by remote control. For details, refer to the installation manual.

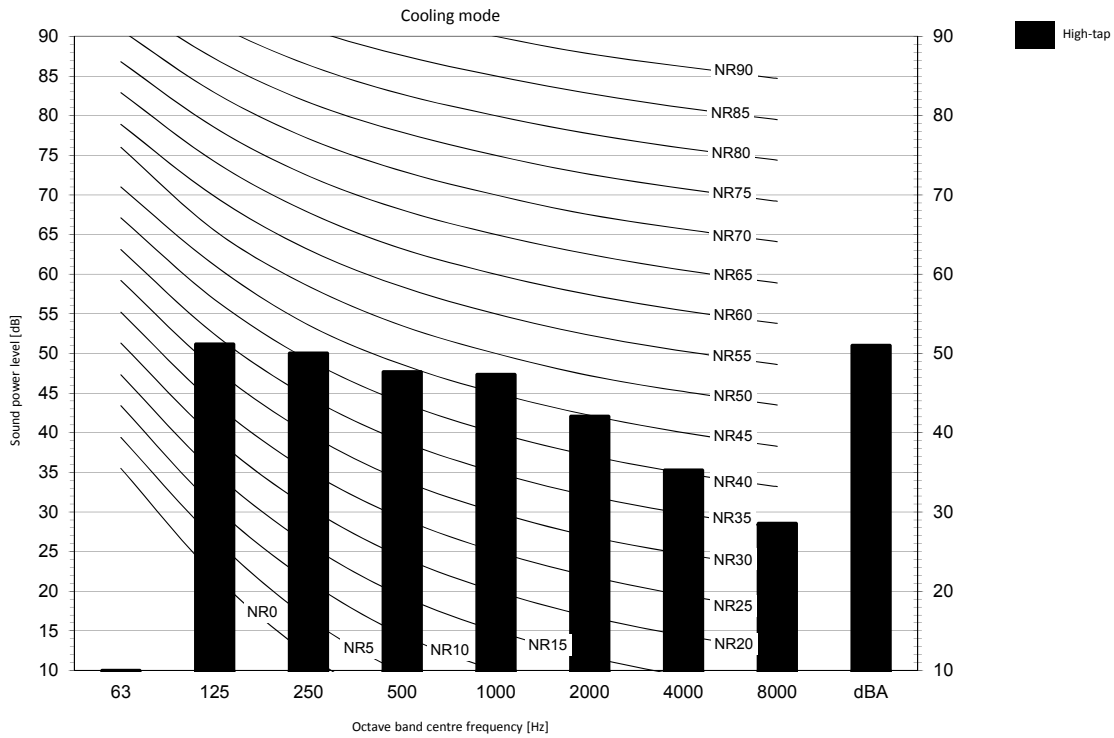
3D095598B

11 Sound data

11 - 1 Sound Power Spectrum

11

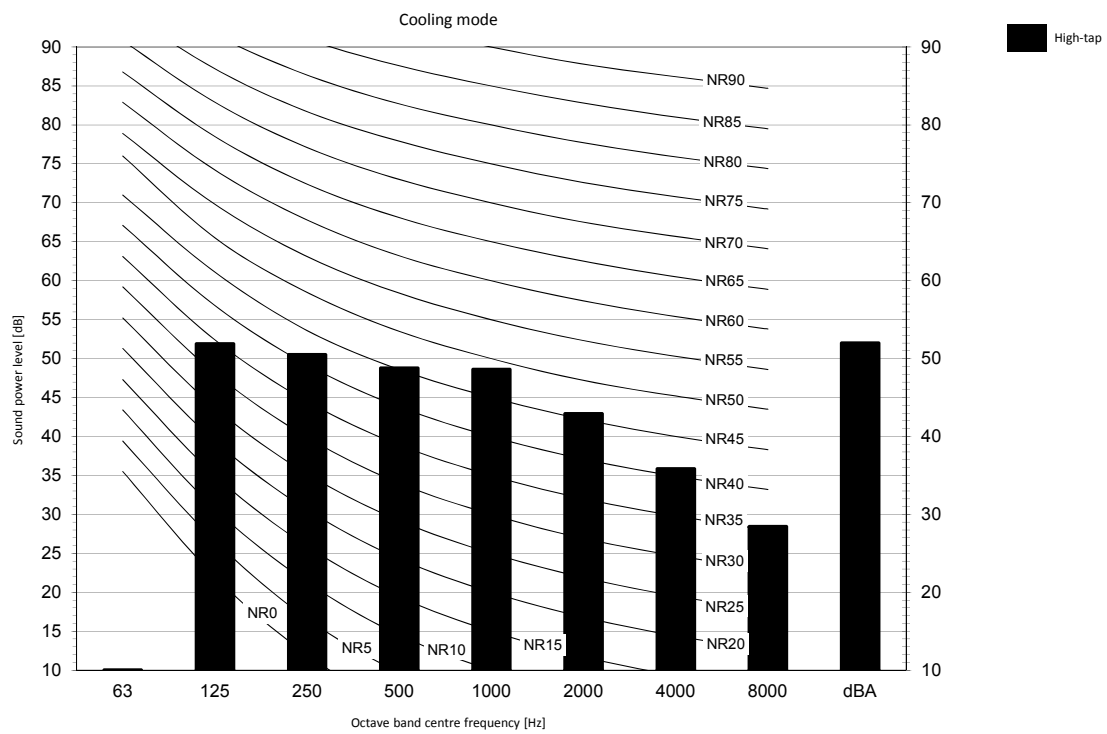
FXNQ20-32A



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

3D096617

FXNQ40A



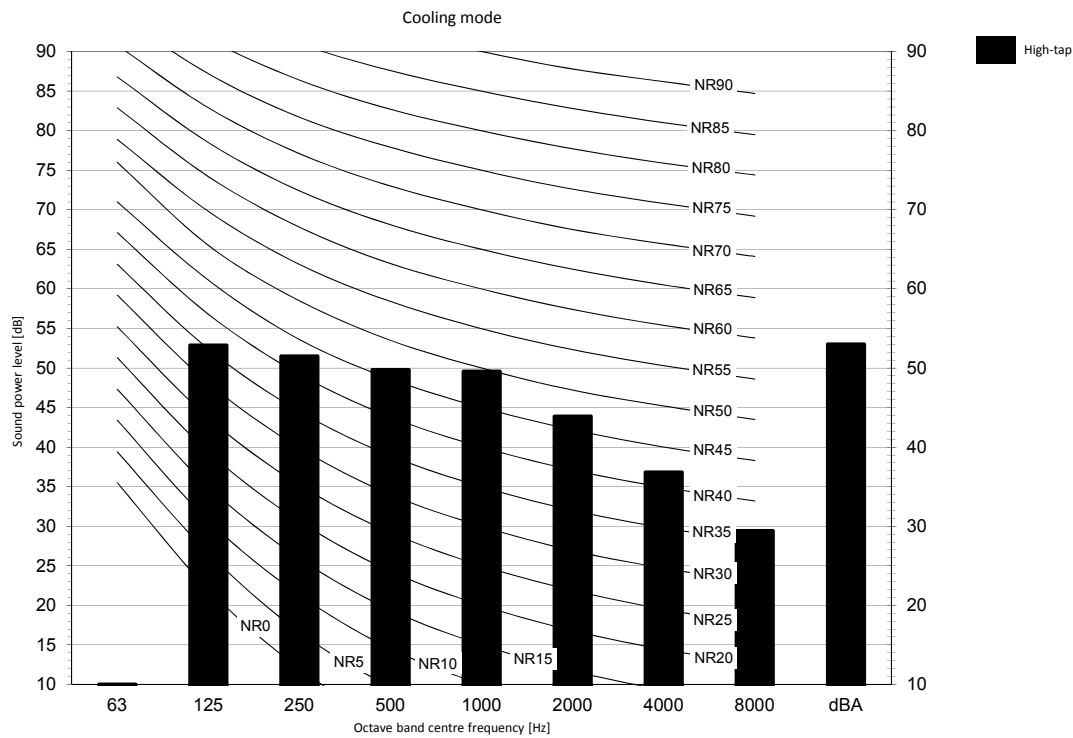
- Notes
1. dBA = A-weighted sound power level (A scale according to IEC).
 2. Reference acoustic intensity $OdB = 10E-6\mu W/m^2$
 3. Measured according to ISO 3744

3D096618

11 Sound data

11 - 1 Sound Power Spectrum

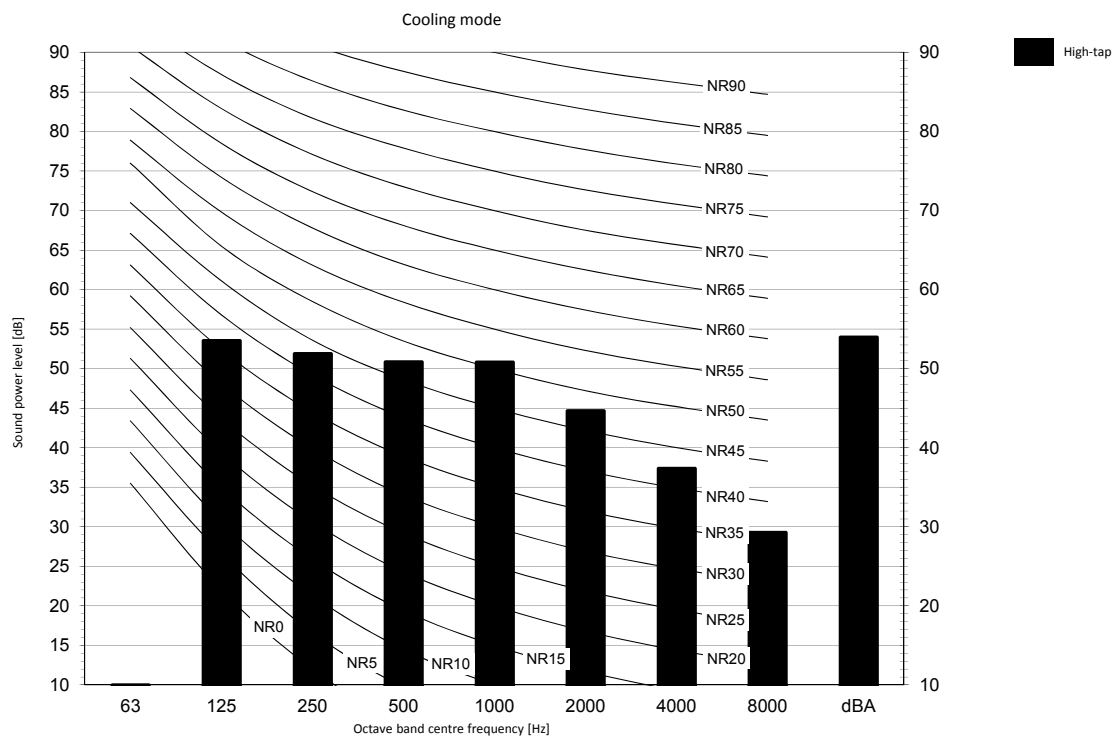
FXNQ50A



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

3D096619

FXNQ63A



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

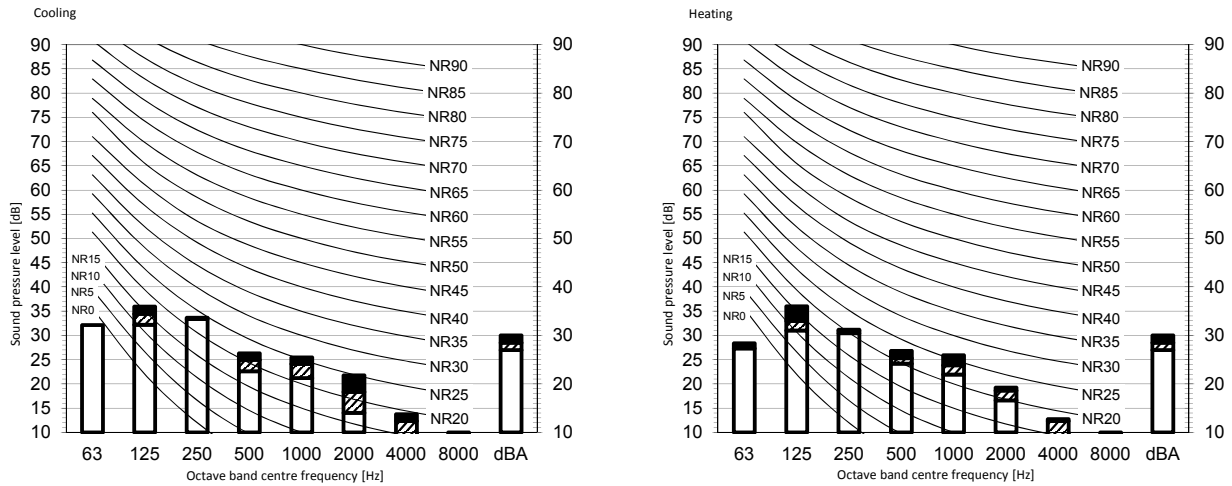
3D096620

11 Sound data

11 - 2 Sound Pressure Spectrum

11

FXNQ20-32A

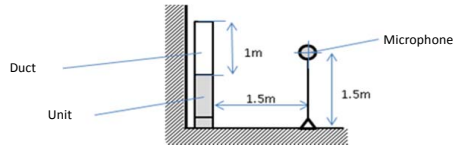


Fan speed

High

Medium

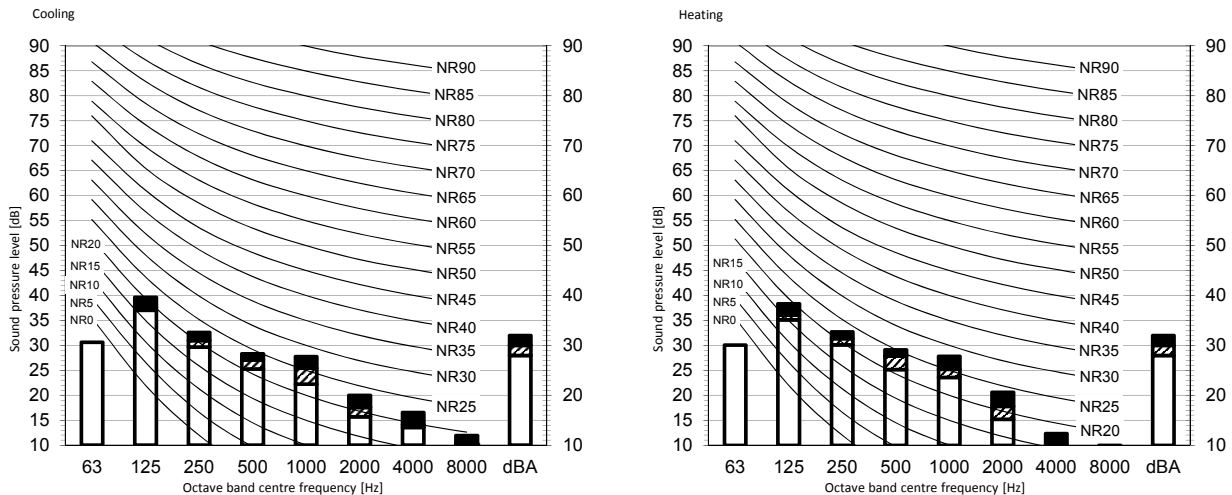
Low



- Notes
1. Data is valid at free field condition.
 2. Data is valid at nominal operation condition.
 3. dBA = A-weighted sound pressure level (A scale according to IEC).
 4. Reference acoustic pressure 0 dB = 20 μ Pa

3D096735

FXNQ40A

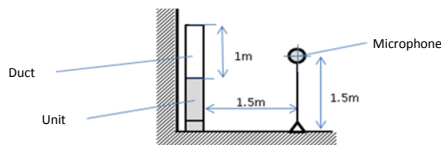


Fan speed

High

Medium

Low



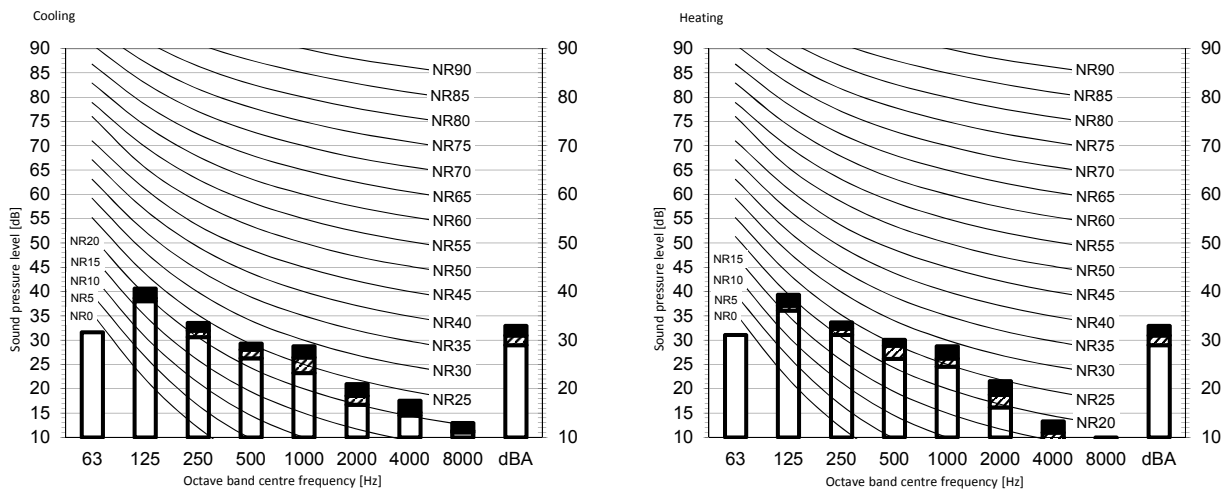
- Notes
1. Data is valid at free field condition.
 2. Data is valid at nominal operation condition.
 3. dBA = A-weighted sound pressure level (A scale according to IEC).
 4. Reference acoustic pressure 0 dB = 20 μ Pa

3D096736

11 Sound data

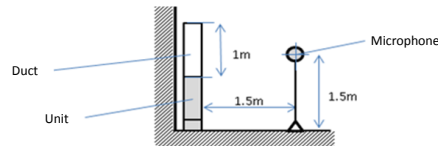
11 - 2 Sound Pressure Spectrum

FXNQ50A



Fan speed

- High
- Medium
- Low

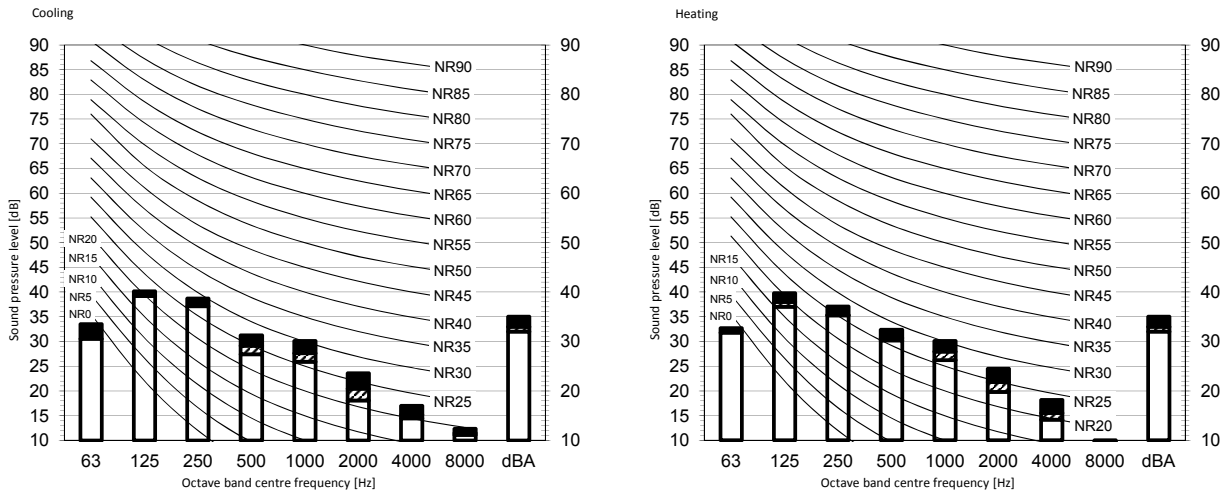


Notes

1. Data is valid at free field condition.
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 μ Pa

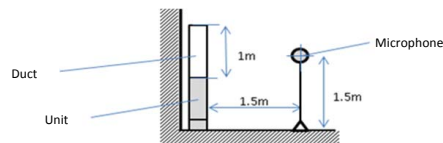
3D096737

FXNQ63A



Fan speed

- High
- Medium
- Low



Notes

1. Data is valid at free field condition.
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 μ Pa

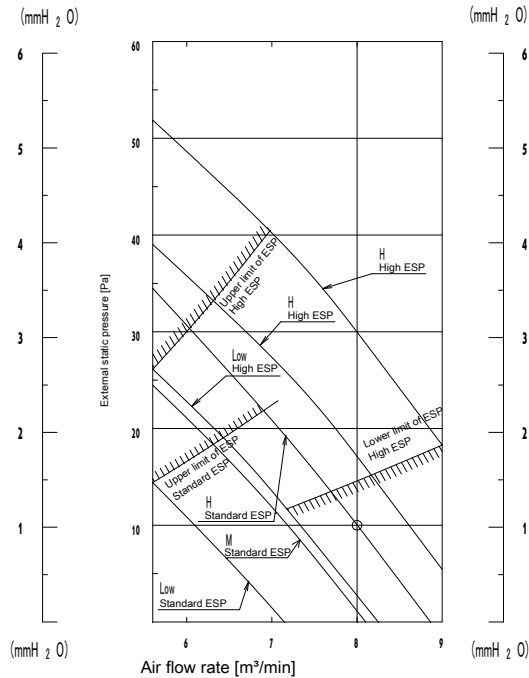
3D096738

12 Fan characteristics

12 - 1 Fan Characteristics

12

FXNQ20-25A



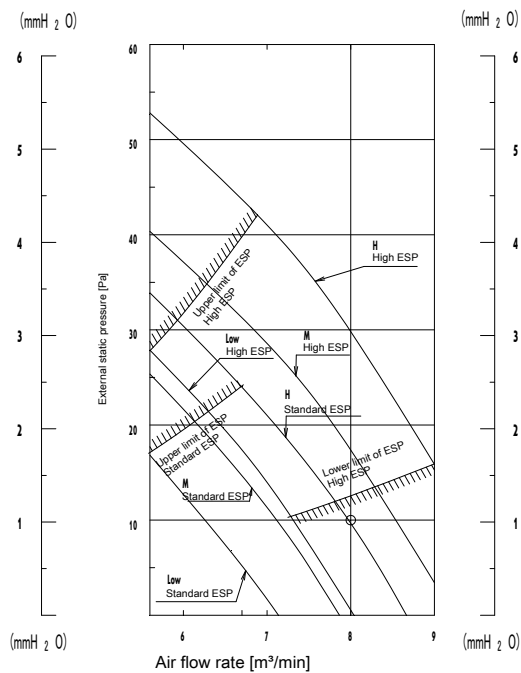
Notes

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

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

3D086736B

FXNQ32A



Notes

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

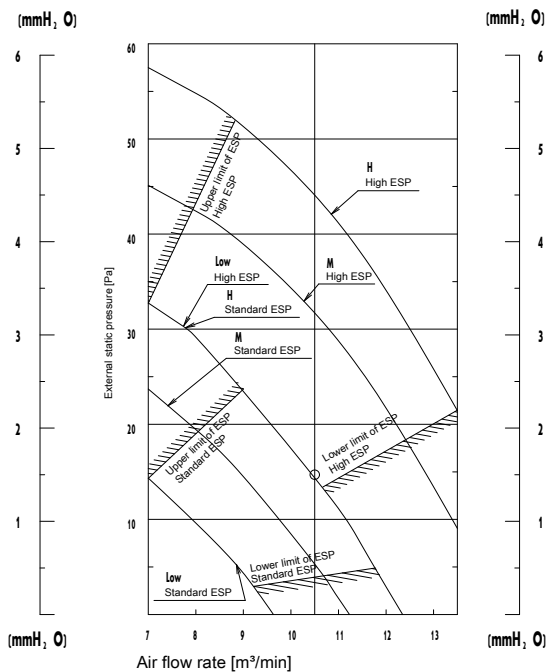
The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081425C

12 Fan characteristics

12 - 1 Fan Characteristics

FXNQ40A

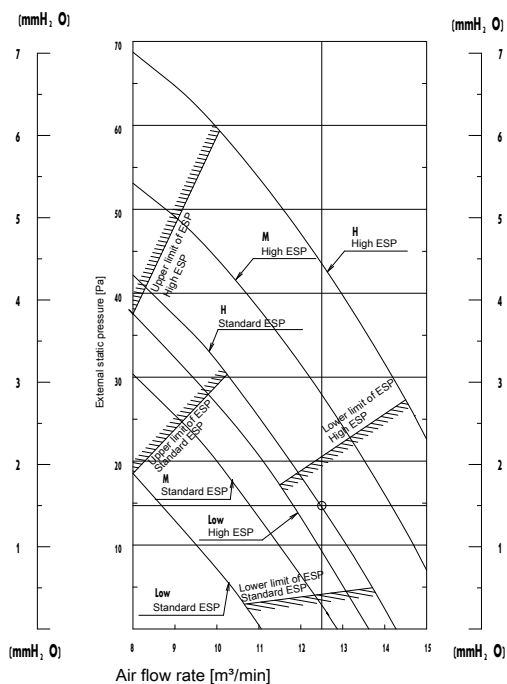


Notes

- 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

FXNQ50A



Notes

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

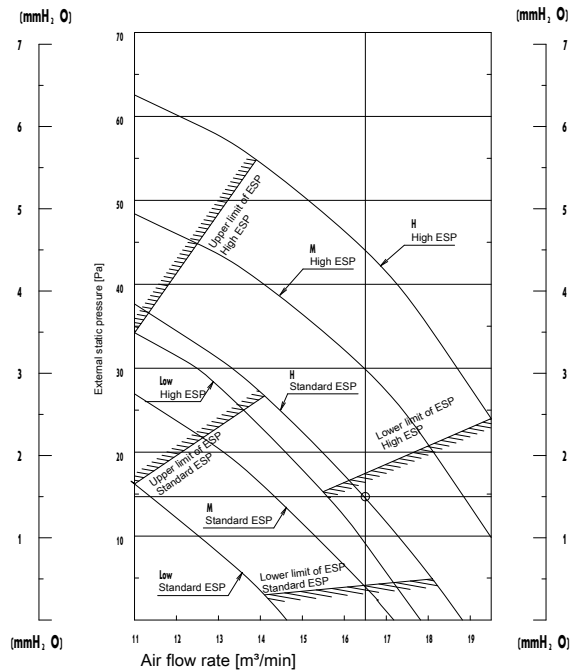
3D081427C

12 Fan characteristics

12 - 1 Fan Characteristics

FXNQ63A

12

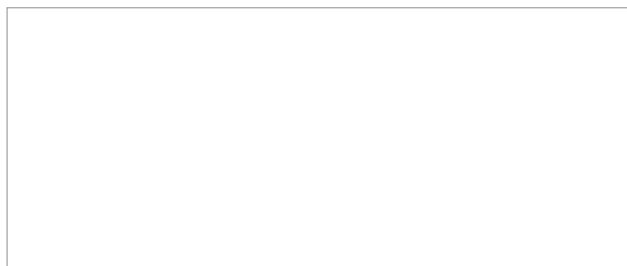


Notes

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

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

3D081429C



EEEDEN22

08/2022



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.