

Concealed ceiling unit
with high ESP
Air Conditioning
Technical Data
FXMQ-P7



FXMQ50P7VEB9
FXMQ63P7VEB9
FXMQ80P7VEB9
FXMQ100P7VEB9
FXMQ125P7VEB9

TABLE OF CONTENTS

FXMQ-P7

1	Features	4
	FXMQ-P7	4
2	Specifications	5
3	Safety device settings	7
4	Options	8
5	Capacity tables	9
	Cooling Capacity Tables	9
	Heating Capacity Tables	10
6	Dimensional drawings	11
7	Centre of gravity	13
8	Piping diagrams	14
9	Wiring diagrams	15
	Wiring Diagrams - Single Phase	15
10	Sound data	16
	Sound Power Spectrum	16
	Sound Pressure Spectrum	19
11	Fan characteristics	24
12	Installation	27
	Installation Method	27
	Filter Installation Method	28

1 Features

1 - 1 FXMQ-P7

ESP up to 200, ideal for large sized spaces

1

- › High external static pressure up to 200Pa facilitates extensive duct and grille network
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the wall: only the suction and discharge grilles are visible
- › Reduced energy consumption thanks to specially developed DC fan motor
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required
- › Flexible installation, as the air suction direction can be altered from rear to bottom suction
- › Standard built-in drain pump with 625mm lift increases flexibility and installation speed



Inverter



Home leave operation



Fan only



Auto cooling-heating changeover



Fan speed steps (3 steps)



Dry programme



Air filter



Weekly timer (optional)



Infrared remote control (optional)



Wired remote control (optional)



Centralised control (optional)



Auto-restart



Self diagnosis



Multi tenant (optional)



Drain pump kit (standard)



2 Specifications

1 - 1 FXMQ-P7

Technical specifications				FXMQ50P7		FXMQ63P7		FXMQ80P7		FXMQ100P7		FXMQ125P7		
Cooling capacity	Sensible capacity	At high fan speed	kW	4.6 (1)		5.5 (1)		7.0 (1)		8.5 (1)		10.5 (1)		
	Nom.		kW	5.6 (1)		7.1 (1)		9.0 (1)		11.2 (1)		14.0 (1)		
Heating capacity	Nom.	At high fan speed	kW	6.3 (2)		8.0 (2)		10.0 (2)		12.5 (2)		16.0 (2)		
Cooling capacity	Latent capacity	At high fan speed	kW	1.0 (1)		1.6 (1)		2.0 (1)		2.7 (1)		3.5 (1)		
Power input - 50Hz	Cooling	At high fan speed	kW	0.110 (1)		0.120 (1)		0.171 (1)		0.176 (1)		0.241 (1)		
	Heating	At high fan speed	kW	0.098 (2)		0.108 (2)		0.159 (2)		0.164 (2)		0.229 (2)		
Power input - 60Hz	Cooling	At high fan speed	kW	0.110 (1)		0.120 (1)		0.171 (1)		0.176 (1)		0.241 (1)		
	Heating	At high fan speed	kW	0.098 (2)		0.108 (2)		0.159 (2)		0.164 (2)		0.229 (2)		
Dimensions	Unit	Height	mm	300										
		Width	mm	1,000				1,400						
		Depth	mm	700										
	Packed unit	Height	mm	355										
		Width	mm	1,220				1,620						
		Depth	mm	900										
Weight	Unit	kg	35				46							
	Packed unit	kg	39				49							
Casing	Colour	Unpainted												
	Material	Galvanised steel plate												
Required ceiling void >				mm		350								
Heat exchanger	Tube type				ø7 Hi-XSS									
Fan	Fin	Type				Symmetric waffle louver								
	Type				Sirocco fan									
	Quantity				2				3					
	Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	18.0	19.5		25.0		32.0		39.0		
			At medium fan speed	m³/min	16.5	17.8		22.5		27.5		33.5		
			At low fan speed	m³/min	15.0	16.0		20.0		23.0		28.0		
		Heating	At high fan speed	m³/min	18.0	19.5		25.0		32.0		39.0		
			At medium fan speed	m³/min	16.5	17.8		22.5		27.5		33.5		
			At low fan speed	m³/min	15.0	16.0		20.0		23.0		28.0		
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	18.0	19.5		25.0		32.0		39.0		
			At medium fan speed	cfm	16.5	17.8		22.5		27.5		33.5		
			At low fan speed	cfm	15.0	16.0		20.0		23.0		28.0		
		Heating	At high fan speed	cfm	18.0	19.5		25.0		32.0		39.0		
			At medium fan speed	cfm	16.5	17.8		22.5		27.5		33.5		
			At low fan speed	cfm	15.0	16.0		20.0		23.0		28.0		
External static pressure - 50Hz	Factory set	Pa	100											
Fan	External static pressure - 50Hz	High	Pa	200										
	External static pressure - 60Hz	Factory set	Pa	100										
	External static pressure - 60Hz	High	Pa	200										
Fan motor	Drive	Direct drive												
Sound power level	Cooling	At high fan speed	dBA	61.0	64.0		67.0		65.0		70.0			
Sound pressure level	Cooling	At high fan speed	dBA	41.0	42.0		43.0		44.0					
		At medium fan speed	dBA	39.0	40.0		41.0		42.0					
		At low fan speed	dBA	37.0	38.0		39.0		40.0					
	Heating	At high fan speed	dBA	41.0	42.0		43.0		44.0					
		At medium fan speed	dBA	39.0	40.0		41.0		42.0					
		At low fan speed	dBA	37.0	38.0		39.0		40.0					
Fan motor	Quantity	1												
	Model	Brushless DC motor												
	Speed	Steps	14											
	Output	Max	W	350										
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	VP25 (I.D. 25/O.D. 32)												
Heat insulation	Both liquid and gas pipes													

2 Specifications

1 - 1 FXMQ-P7

2

Technical specifications				FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Decoration panel	Model			BYBS71DJW1			BYBS125DJW1	
	Colour			White (10Y9/0.5)				
	Dimen- sions	Height	mm	55				
		Width	mm	1,100		1,500		
		Depth	mm	500				
Weight			kg	4.5		6.5		
Drain-up height			mm	625				
Air filter		Type		Resin net				
Safety devices	Item	01	PC board fuse					
		02	PC board fuse (fan driver)					
		03	Drain pump fuse					
Control systems	Wired remote control			BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52				

Electrical specifications				FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Power supply	Name			VE				
	Phase			1~				
	Frequency		Hz	50/60				
	Voltage		V	220-240/220 +/-10%				
Current - 50Hz	Minimum circuit amps (MCA)		A	1.4		1.7	2.3	2.9
	Maximum fuse amps (MFA)		A			16		
Current - 60Hz	Minimum circuit amps (MCA)		A	1.4		1.7	2.3	2.9
	Maximum fuse amps (MFA)		A			16		

(1)Cooling: indoor temp. 27°CDB; 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m |

(2)Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB; 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m

3 Safety device settings

3 - 1 Safety Device Settings

FXMQ-P7

	Safety devices	50	63	80	100	125
FXMQ	PC board fuse	250V 3,15A	250V 3,15A	250V 3,15A	250V 3,15A	250V 3,15A
	PC board fuse (fan driver)	250V 6,3A	250V 6,3A	250V 6,3A	250V 6,3A	250V 6,3A
	Fan motor thermal protector	°C	-	-	-	-
	Drain pump fuse	°C	145	145	145	145

3TW32659-2

Options

4 - 1 Options

FXMQ-P7

Nr.	Item	Type	FXMQ20,25,32	FXMQ40	FXMQ50,63,80	FXMQ100,125
1	Air discharge adaptor for round ducts		KDAJ25K36A	KDAJ25K56A	KDAJ25K71A	KDAJ25K140A
Operation control						
Nr.	Item	Type	FXMQ20,25,32	FXMQ40	FXMQ50,63,80	FXMQ100,125
1	Remote control	Wired	BRC1D528 / BRC1C62 (*5)			
			BRC1E53A7 (*6)			
			BRC1E53B7 (*7)			
			BRC1E53C7 (*8)(*11)			
			BRC1H51, BRC1H52W/K/S (*12)			
			BRC1H81, BRC1H82W/S (*13)			
		Wireless	BRC4C65			
		HP	BRC4C66			
		CO				
2	Simplified remote control (with operation mode selector button)		BRC2E52C7 (*9)(*11)			
3	Simplified remote control (without operation mode selector button)		BRC3E52C7 (*9)(*11)			
4	Optional PCB for external electric heaters, humidifiers and/or hour meters		EKRP1B2A (*1) (*2) (*3) (*4)			
5	Adaptor for wiring (interlock for fresh air intake fan)		KRP1C64 (*4)			
6.1	Wiring adaptor for electrical appendices (1)		KRP2A51 (*2) (*4)			
6.2	Wiring adaptor for electrical appendices (2)		KRP4A51 (*4)			
7	Remote sensor		KRCS01-4B			
8	Central remote control		DCS302CA51 / DCS302CA61 (*5)			
8.1	Electrical box with earth terminal (3 blocks)		KJB311A			
9	Unified ON/OFF controller		DCS301BA51 / DCS301BA61 (*5)			
9.1	Electrical box with earth terminal (2 blocks)		KJB212A			
10	Schedule timer		DST301BA51 / DST301BA61 (*5)			
11	External adaptor for outdoor unit (installation on indoor unit)		DTA104A61 (*4)			
12	PCB for multi-tenant indoor units		DTA114A61 (*4)			
13	Mounting plate for adaptor PCB		KRP4A96			
14	Digital input adaptor		BRP7A51 (*4) (*10)			
15	Modbus interface DIII		EKMBDXA7V1			

*1) Electric heaters and humidifiers are field-supplied. Do not install them inside the equipment (refer to installation manual -EKRP1B2A-).

*2) When installing electric heaters, an optional PCB for external electric heaters (-EKRP1B2A-) is required for each indoor unit.

*3) Electric heaters cannot be used in combination with cooling-only VRV systems.

*4) These options require mounting plate -KRP4A96-.

Maximally 2 optional PCBs can be mounted.

*5) -BRC1C62, DCS302CA61, DCS301BA61 & DST301BA61: only for the Middle East region.

*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) 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.

10) Only possible in combination with -BRC2/3E52C7, BRC1E53A/B/C7, BRC1H52W/S/K, BRC1H82W/S-

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

12) Included languages are: English, German, French, Dutch, Spanish, Italian, Greek, Portuguese, Russian, and Turkish.

13) Included languages are: English and Arabic

Contents of the accessory bag

Description	Quantity
	FXMQ20,25,32,40,50,63,80,100,125
Hexagon tapping screw (M5x16)	16
Round plain washer for wood	8
Installation and operation manual	1
Hose band clamp	1
Joint insulation (gas)	1
Joint insulation (liquid)	1
Drain hose	1
Drain hose sealing material	1
Sealing material	2

3TW32659-3F

5 Capacity tables

5 - 1 Cooling Capacity Tables

FXMQ-P7

Cooling Capacity

TC: Total capacity; kW
SHC: Sensible heat capacity; kW

Unit size	Indoor air temp.													
	14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB	
	20.0° CDB		23.0° CDB		26.0° CDB		27.0° CDB		28.0° CDB		30.0° CDB		32.0° CDB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
50	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	5.7	4.5	5.8	4.3	5.9	4.3
63	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.2	5.4	7.4	5.3	7.5	5.2
80	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.1	6.9	9.3	6.6	9.5	6.6
100	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.3	8.4	11.6	8.1	11.9	7.8
125	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.2	10.4	14.5	10.1	14.9	9.7

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

- This table is for the selection of indoor equipment.
 - Deze tabel is bedoeld voor het kiezen van de binnenunit.
 - Ce tableau concerne la sélection de l'équipement intérieur.
 - Diese Tabelle ist für die Auswahl der Innenanlagen.
 - Esta tabla es para seleccionar el equipo interior.
 - Usare questa tabella per la selezione delle apparecchiature interne.
 - Αυτός ο πίνακας προορίζεται για την επιλογή εσωτερικού εξοπλισμού.
 - Bu tablo iç ünite ekipmanlarının seçimine yöneliktir.
 - Эта таблица предназначена для выбора устанавливаемого в помещении оборудования.
- In the event that conditions differ due to the design requirements after system selection, actual operating ability of the indoor equipment will differ from that noted in the table because of changes in the outdoor air temperature and load factor.
 - Als nadat u het systeem hebt gekozen de voorwaarden afwijken van de ontwerpvereisten, dan zal het reële bedrijfsvermogen van de binnenunit afwijken van de in de tabel vermelde gegevens, wegens de afwijkende buitenluchttemperatuur en de belastingsfactor.
 - Si les exigences de conception après la sélection du système entraînent une modification des conditions, les capacités opérationnelles réelles de l'équipement intérieur diffèrent de celles indiquées dans le tableau en raison de la modification de la température de l'air extérieure et du facteur de charge.
 - Falls Bedingungen aufgrund der Konstruktionsanforderungen nach der Systemauswahl abweichen, dann weicht aufgrund der Änderungen der Außenlufttemperatur und des Lastfaktors die tatsächliche Betriebsfähigkeit der Innenanlage von der in der Tabelle aufgeführten ab.
 - En caso de que las condiciones difieran debido a los requisitos de diseño tras seleccionar el sistema, la capacidad de funcionamiento real del equipo interior diferirá de la que se muestra en la tabla debido a los cambios de la temperatura de aire exterior y al factor de carga.
 - Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
 - Στην περίπτωση που οι συνθήκες διαφέρουν λόγω των απαιτήσεων σχεδιασμού μετά την επιλογή συστήματος, η πραγματική δυνατότητα του εσωτερικού εξοπλισμού θα διαφέρει από την αναφερόμενη στον πίνακα, λόγω των αλλαγών στην εξωτερική θερμοκρασία αέρα και στο συντελεστή φορτίου.
 - Sistem seçiminden sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipmanın gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
 - В случае, если реальные условия отличаются от проектных условий работы, используемых при выборе системы, фактические характеристики устанавливаемого в помещении оборуду
- In this case, use the ability table for the indoor equipment selected and correct for the ratio of change in ability.
 - Gebruik in dat geval de vermogenstabel van de gekozen binneninstallatie en kies het juiste vermogen.
 - Le cas échéant, utiliser le tableau de capacité de l'équipement intérieur sélectionner et corriger le rapport de modification de capacité.
 - Verwenden Sie in diesem Fall die Fähigkeit für die ausgewählte Innenanlage und korrigieren Sie das Verhältnis der Änderung in der Fähigkeit.
 - En este caso, utilice la tabla de capacidades del equipo interior seleccionado y corrija la relación de cambio en capacidad.
 - In questo caso, usare la tabella delle capacità per le apparecchiature interne selezionate ed apportare le modifiche del caso in base alla percentuale di cambiamento di capacità.

3TW32682-1B

5 Capacity tables

5 - 2 Heating Capacity Tables

5

FXMQ-P7

Heating Capacity

Unit size	Indoor air temp. °CDB					
	16.0	18.0	20.0	21.0	22.0	24.0
	kW	kW	kW	kW	kW	kW
50	6.6	6.6	6.3	6.1	5.9	5.5
63	8.4	8.4	8.0	7.7	7.5	7.0
80	10.5	10.5	10.0	9.7	9.4	8.7
100	13.1	13.1	12.5	12.1	11.7	10.9
125	16.8	16.8	16.0	15.5	15.0	13.9

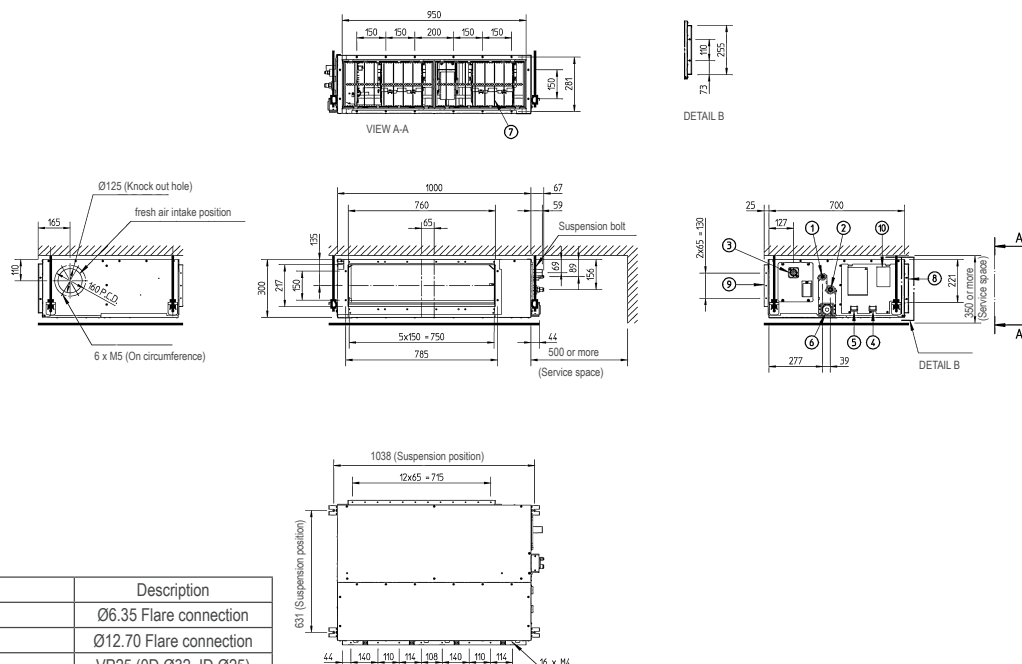
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 - Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
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 - Sistem seçiminden sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipmanın gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
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6 Dimensional drawings

6 - 1 Dimensional Drawings

FXMQ50P7

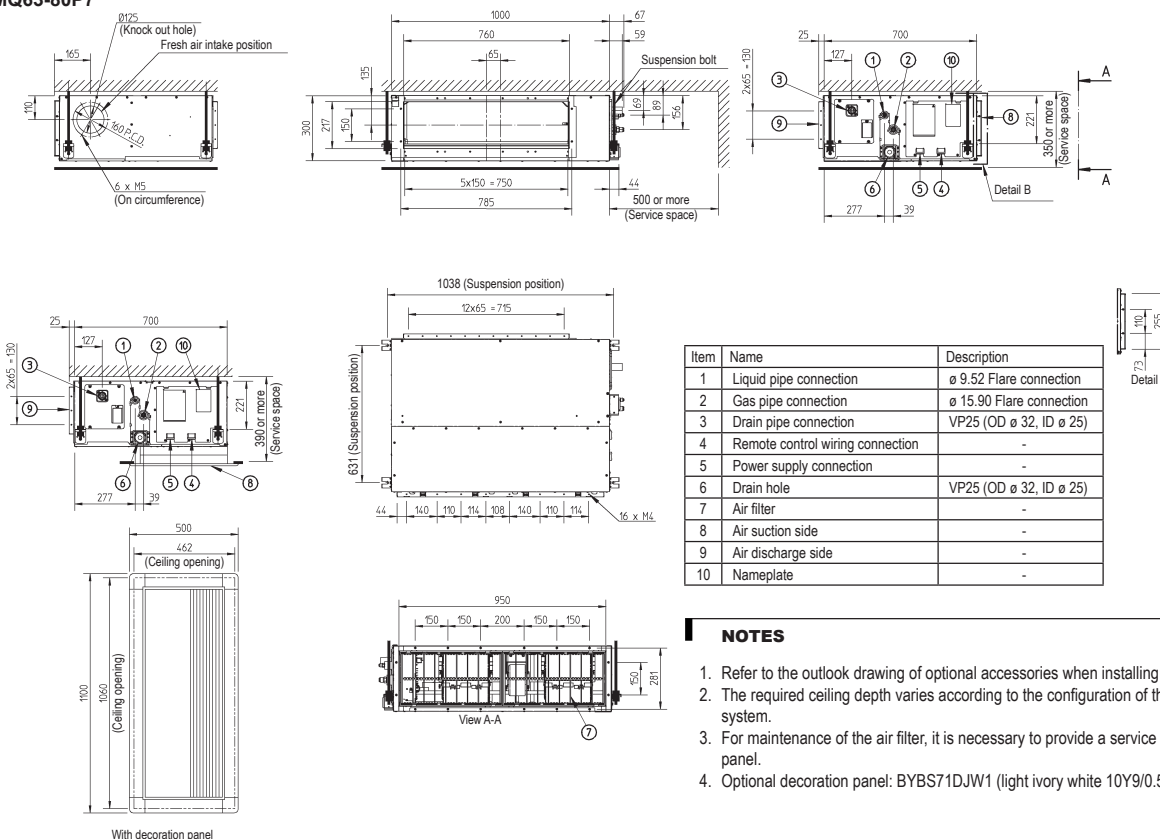
Item	Name	Description
1	Liquid pipe connection	Ø6.35 Flare connection
2	Gas pipe connection	Ø12.70 Flare connection
3	Drain pipe connection	VP25 (0D Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP20 (0D Ø32, ID Ø25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

- 1 Refer to 'outlook drawing for installing optional accessories' when installing optional accessories.
- 2 The required ceiling depth varies according to the configuration of the specific system.
- 3 For maintenance of the air filter, it is necessary to provide a service access panel.
Refer to the 'filter installation method' drawing.

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FXMQ63-80P7



Item	Name	Description
1	Liquid pipe connection	ø 9.52 Flare connection
2	Gas pipe connection	ø 15.90 Flare connection
3	Drain pipe connection	VP25 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

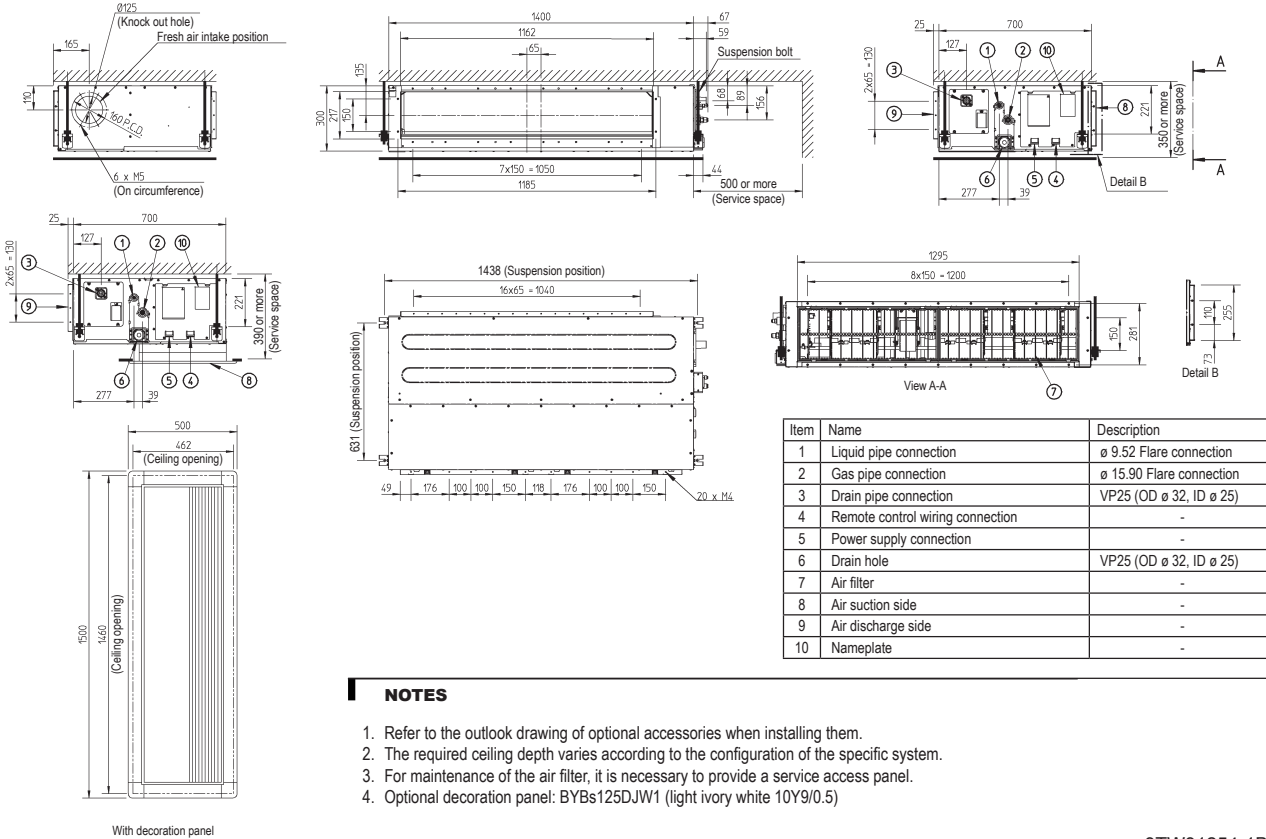
1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific system.
3. For maintenance of the air filter, it is necessary to provide a service access panel.
4. Optional decoration panel: BYBS71DJW1 (light ivory white 10Y9/0.5)

3TW31234-1B

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXMQ100-125P7

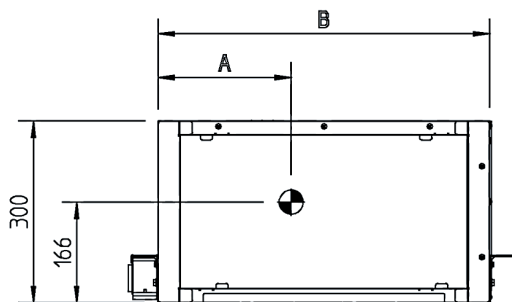
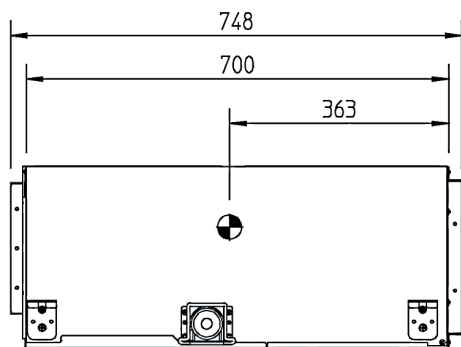


3TW31254-1B

7 Centre of gravity

7 - 1 Centre of Gravity

FXMQ-P7



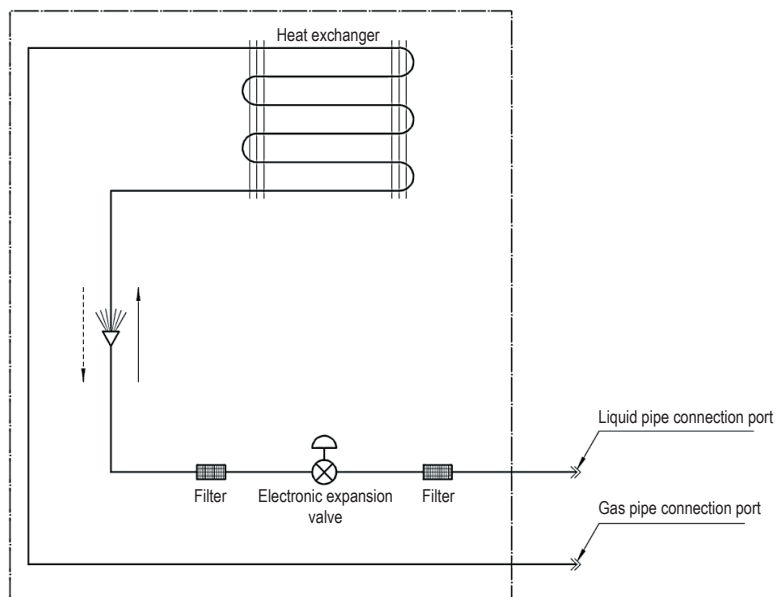
Model	A	B
FXMQ50,63,80	441	1000
FXMQ100,125	619	1400

4TW31189-1B

8 Piping diagrams

8 - 1 Piping Diagrams

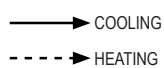
FXMQ-P7



Refrigerant pipe connection port diameters

Model	Gas	Liquid
FXMQ50	Ø 12.70	Ø 6.35
FXMQ63,80,100,125	Ø 15.90	Ø 9.52

Refrigerantflow



3TW31185-1A

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXMQ-P7

1N ~ 220-240V 50Hz
1N ~ 220V 60Hz

For 60~140 class (71~140 class) medium ESP duct
For 50~125 class high ESP duct

For 20~50 class (22~56 class) medium ESP duct
For 20~40 class high ESP duct

Field wiring:

Colors

BLK : Black
BLU : Blue
BRN : Brown
GRY : Grey
ORG : Orange
PNK : Pink
RED : Red
WHT : White
YLW : Yellow
GRN : Green

NOTES

- Use copper conductors only.
- When using the central remote controller, see manual for connection to the unit.
- When connecting the input wires from outside, forced "OFF" or "ON/OFF" operation can be selected by the remote controller. See installation manual for more details.

Indoor unit	
A1P	Printed circuit board
A2P	Printed circuit board (fan)
A3P	Printed circuit board (capacitor)
C1, C2, C3	Capacitor
F1U	Fuse (T, 3.15A, 250V)
F2U	Fuse (T, 5A, 250V)
F3U	Fuse (T, 6.3A, 250V)
F4U	Fuse (T, 6.3A, 250V)
HAP	Light emitting diode (service monitor-green)
KPR, K1R	Magnetic relay
L1R	Reactor
M1F	Motor (fan)
M1P	Motor (drain pump)
PS	Switching power supply
Q1DI	Earth leak detector
R1	Resistor (current limiting)
R2	Current sensing device
R3, R4	Resistor (electric discharge)

R1T	Thermistor (suction air)
R2T	Thermistor (liquid)
R3T	Thermistor (gas)
R5T	Thermistor NTC (current limiting)
S1L	Float switch
V1R	Diode bridge
V2R	Power module
X1M	Terminal strip (power supply)
X2M	Terminal strip (control)
Y1E	Electronic expansion valve
Z1C, Z2C, Z3C	Noise filter (ferrite core)
Z1F	Noise filter
Connector optional accessory	
X28A	Connector (power supply for wiring)
X33A	Connector (for wiring)
X35A	Connector (adapter)
Wired remote controller	
R1T	Thermistor (air)
SS1	Selector switch (main/sub)

Switch box (indoor)

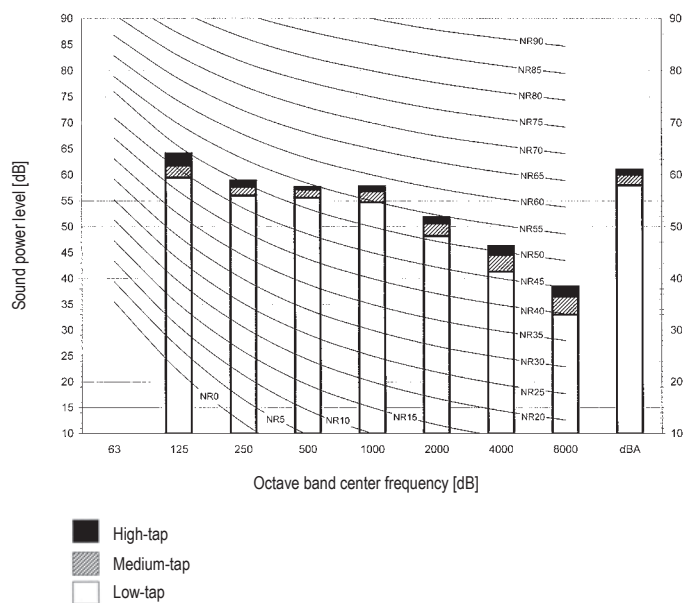
A3P only for 60~140 class (71~140 class) medium ESP duct
A3P only for 50~125 class high ESP duct

2TW32656-2B

10 Sound data

10 - 1 Sound Power Spectrum

FXMQ50P7

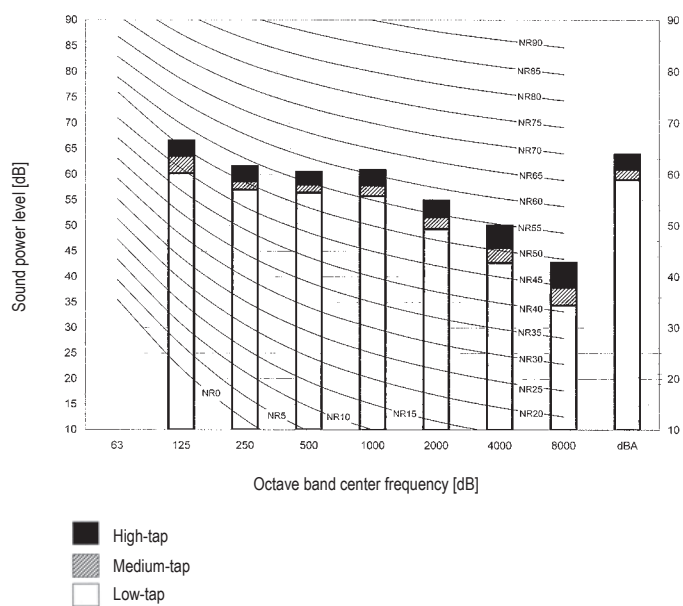


3TW32697-1

NOTES

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

FXMQ63P7



3TW32707-1

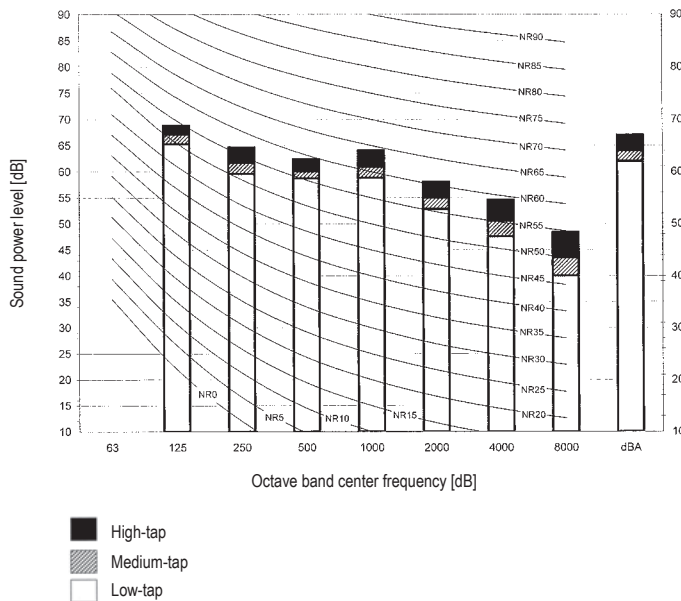
NOTES

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

10 Sound data

10 - 1 Sound Power Spectrum

FXMQ80P7

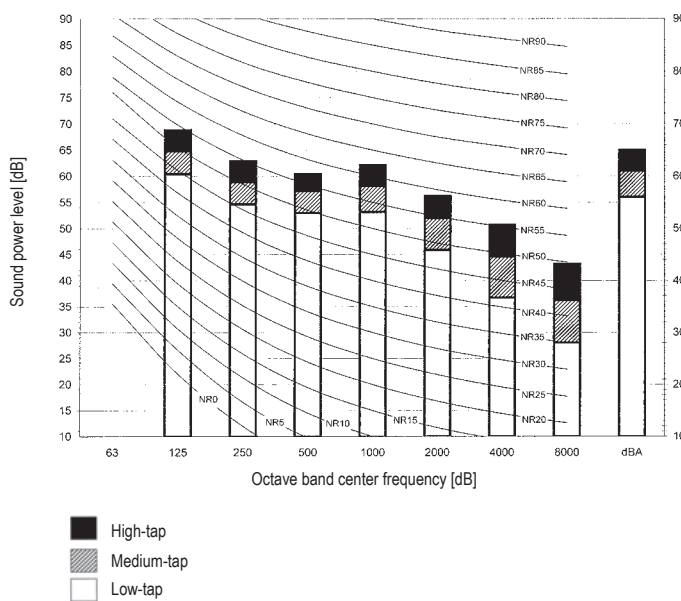


3TW32717-1

NOTES

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

FXMQ100P7



3TW32727-1

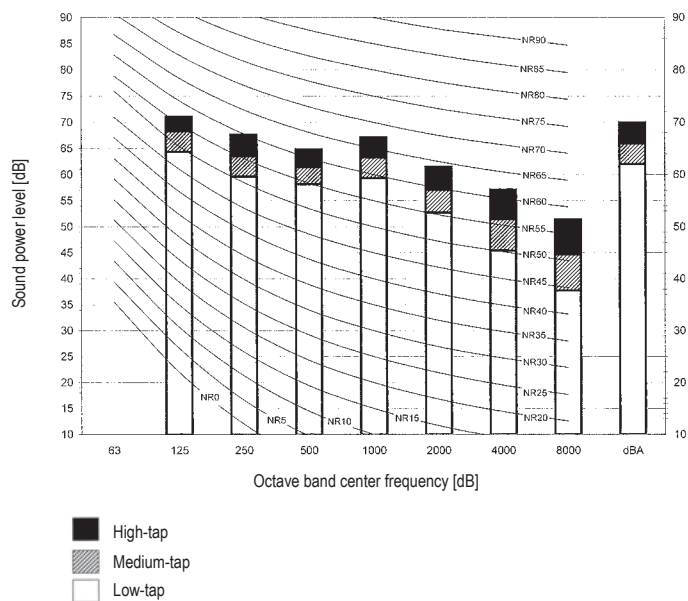
NOTES

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

10 Sound data

10 - 1 Sound Power Spectrum

FXMQ125P7



3TW32737-1

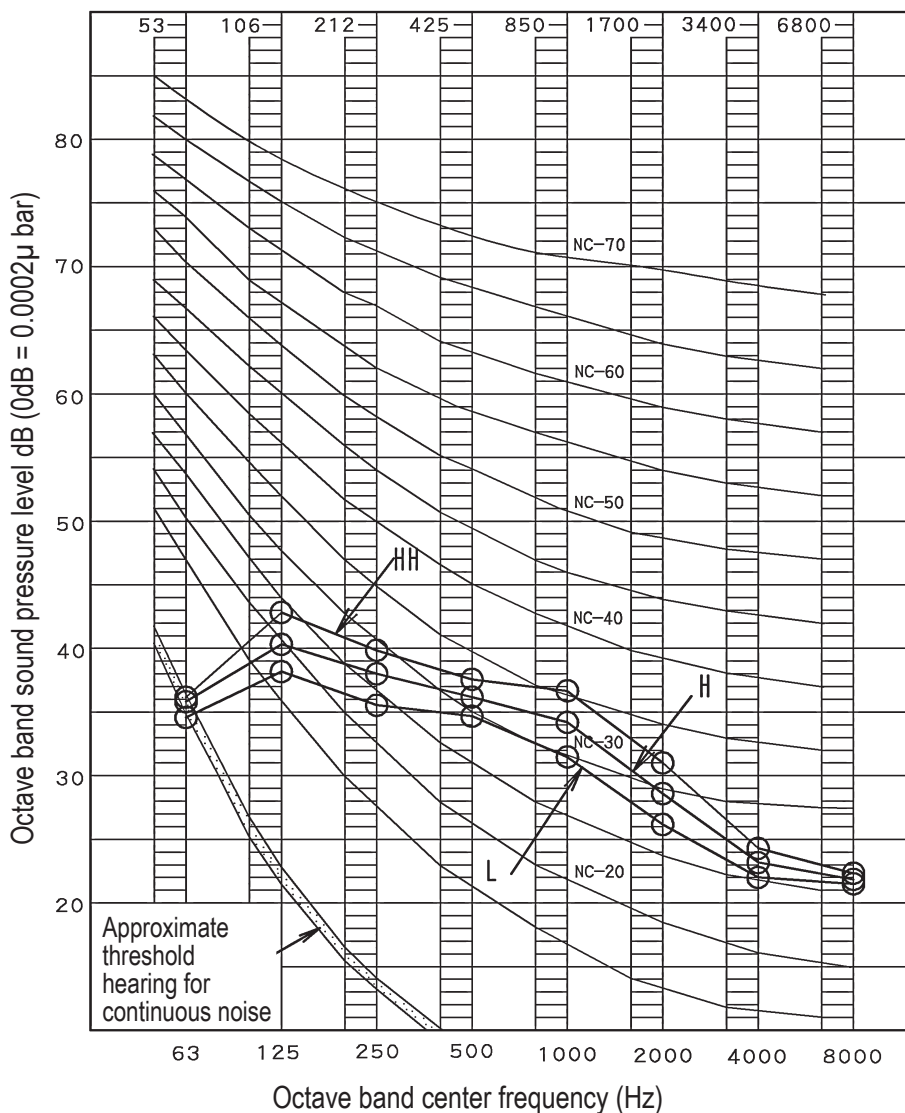
NOTES

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

10 Sound data

10 - 2 Sound Pressure Spectrum

FXMQ50P7



NOTES

1. Over All (dB):

Scale	Air flow rate		
	HH	H	L
A	41.0	39.0	37.0
C	46.0	44.0	42.0

(B,G,N is already rectified)

2. Measuring place: Anechoic chamber

3. Operating conditions:

Power source: 220~240V 50Hz / 220V 60Hz

Cooling:

Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

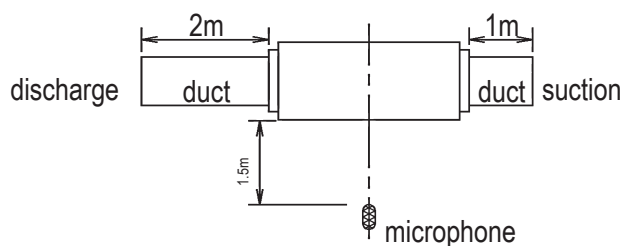
Heating:

Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

4. External static pressure: 100Pa

5. Operation noise differs with operation and ambient conditions.

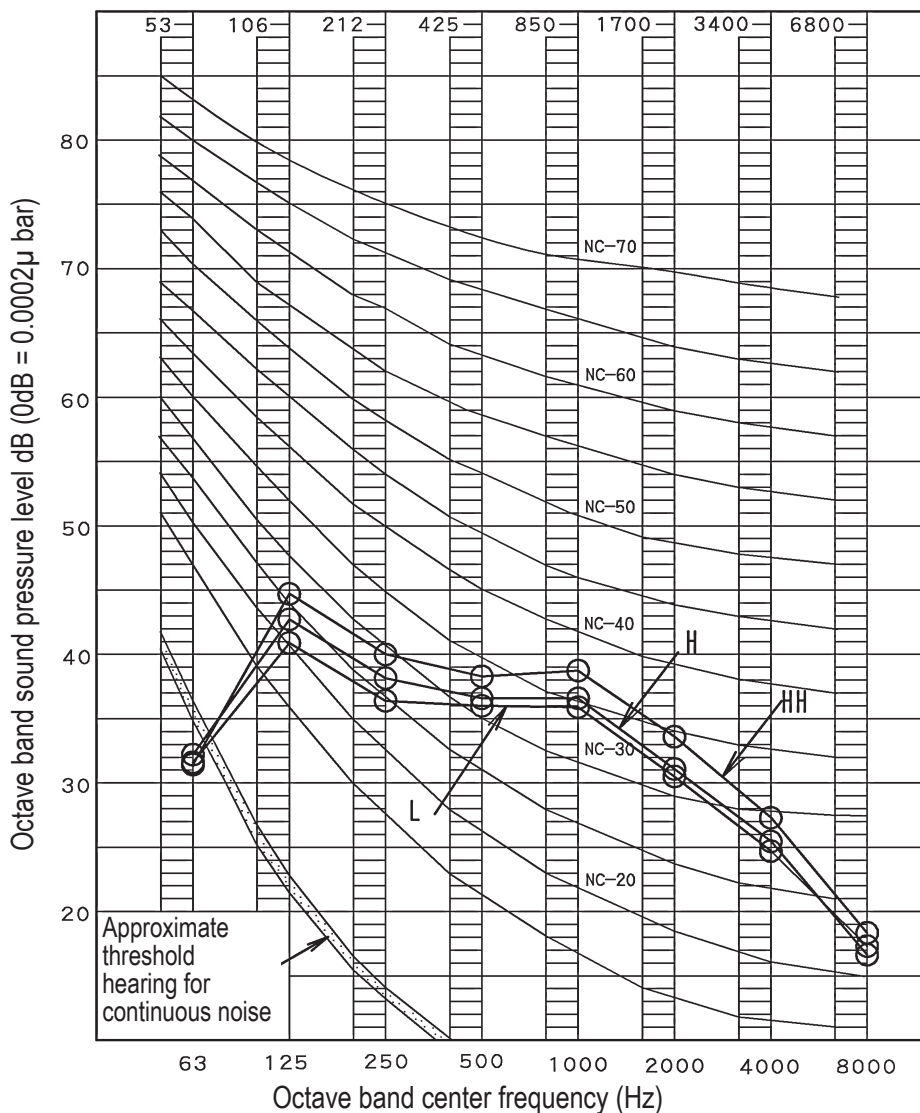


4D060428C

10 Sound data

10 - 2 Sound Pressure Spectrum

FXMQ63P7



NOTES

1. Over All (dB):

Scale	Air flow rate		
	HH	H	L
A	42.0	40.0	38.0
C	48.0	46.0	44.0

(B,G,N is already rectified)

2. Measuring place: Anechoic chamber

3. Operating conditions:

Power source: 220~240V 50Hz / 220V 60Hz

Cooling:

Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

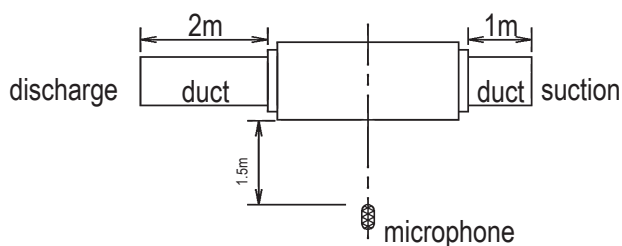
Heating:

Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

4. External static pressure: 100Pa

5. Operation noise differs with operation and ambient conditions.

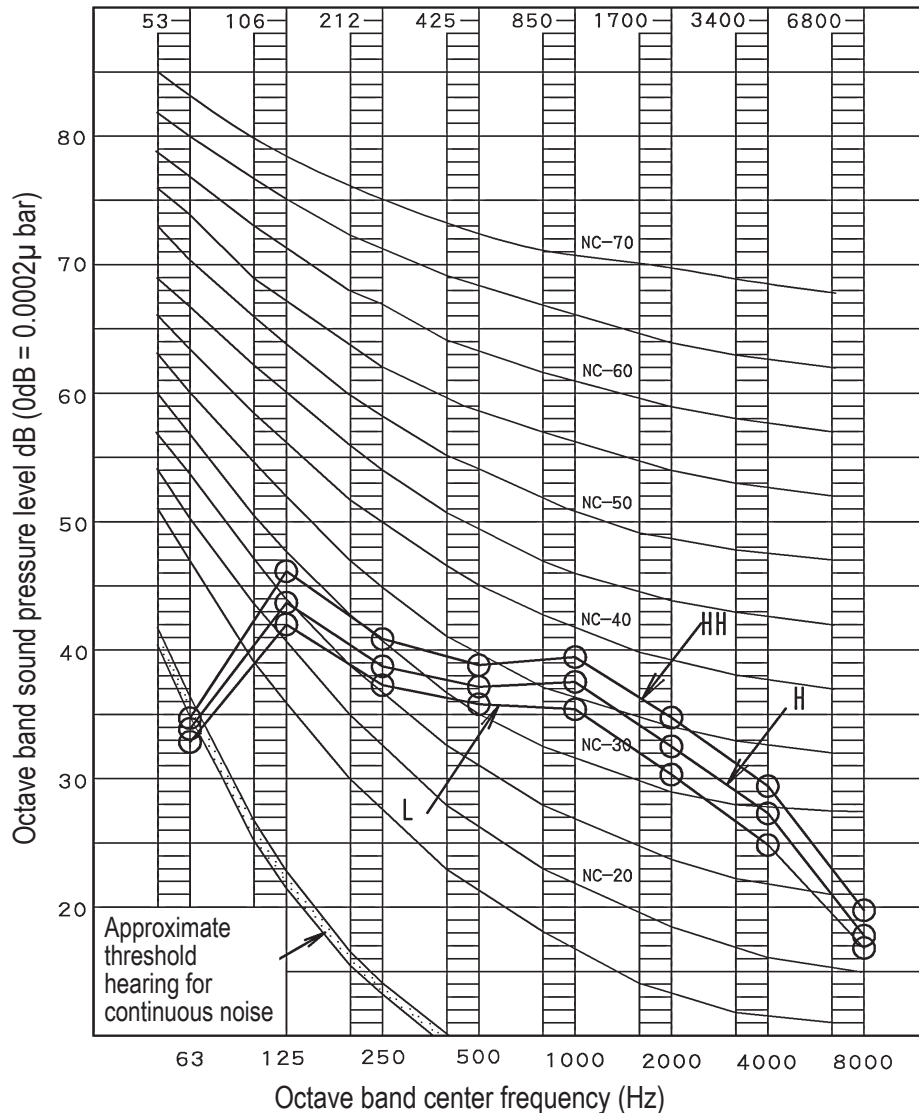


4D060447C

10 Sound data

10 - 2 Sound Pressure Spectrum

FXMQ80P7



NOTES

1. Over All (dB):

Scale	Air flow rate		
	HH	H	L
A	43.0	41.0	39.0
C	49.0	47.0	45.0

(B,G,N is already rectified)

2. Measuring place: Anechoic chamber

3. Operating conditions:

Power source: 220~240V 50Hz / 220V 60Hz

Cooling:

Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

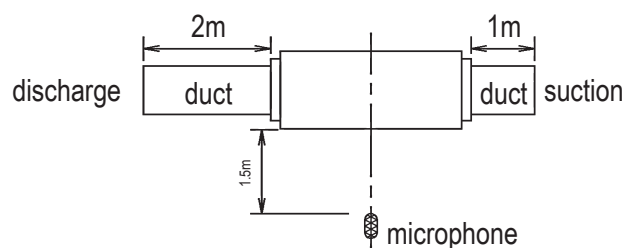
Heating:

Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

4. External static pressure: 100Pa

5. Operation noise differs with operation and ambient conditions.

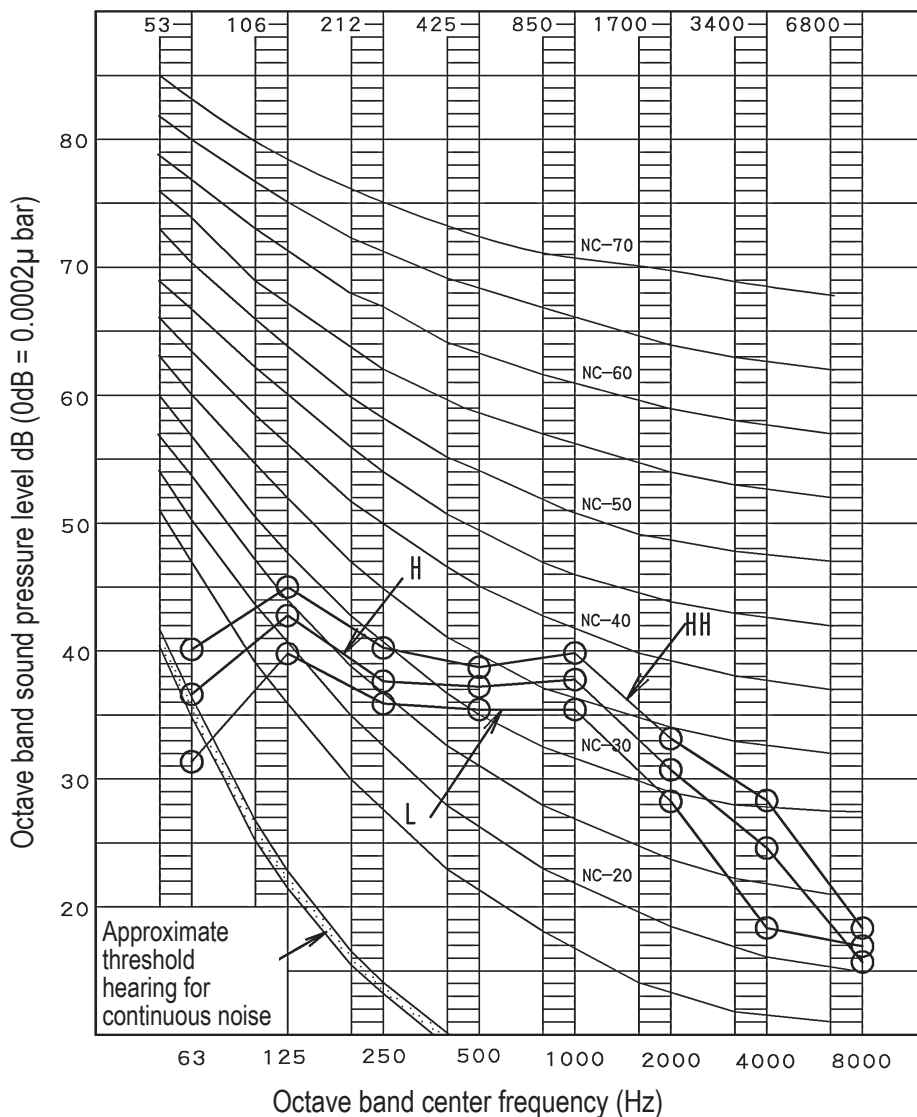


4D060429C

10 Sound data

10 - 2 Sound Pressure Spectrum

FXMQ100P7



NOTES

1. Over All (dB):

Scale	Air flow rate		
	HH	H	L
A	43.0	41.0	39.0
C	49.0	46.0	44.0

(B,G,N is already rectified)

2. Measuring place: Anechoic chamber

3. Operating conditions:

Power source: 220~240V 50Hz / 220V 60Hz

Cooling:

Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

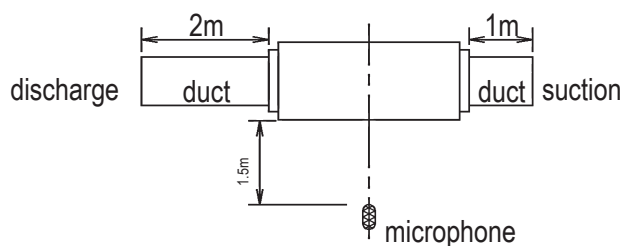
Heating:

Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

4. External static pressure: 100Pa

5. Operation noise differs with operation and ambient conditions.

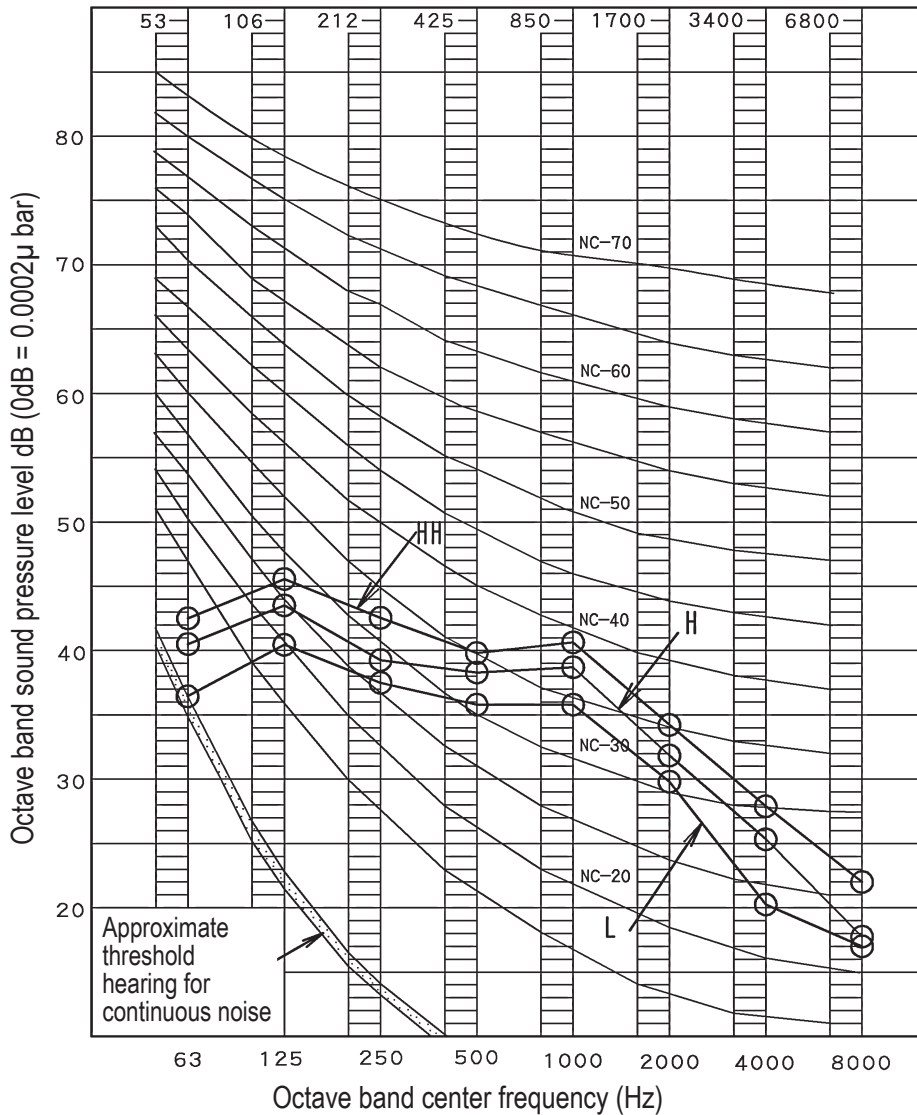


4D060448C

10 Sound data

10 - 2 Sound Pressure Spectrum

FXMQ125P7



NOTES

1. Over All (dB):

Scale	Air flow rate		
	HH	H	L
A	44.0	42.0	40.0
C	50.0	48.0	45.0

(B,G,N is already rectified)

2. Measuring place: Anechoic chamber

3. Operating conditions:

Power source: 220~240V 50Hz / 220V 60Hz

Cooling:

Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

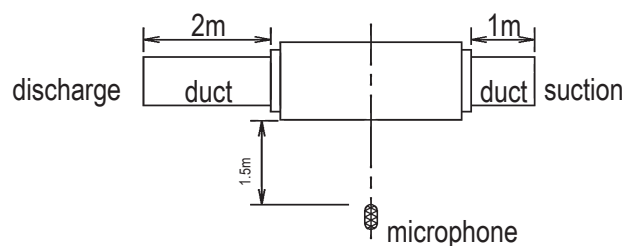
Heating:

Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

4. External static pressure: 100Pa

5. Operation noise differs with operation and ambient conditions.



4D060449C

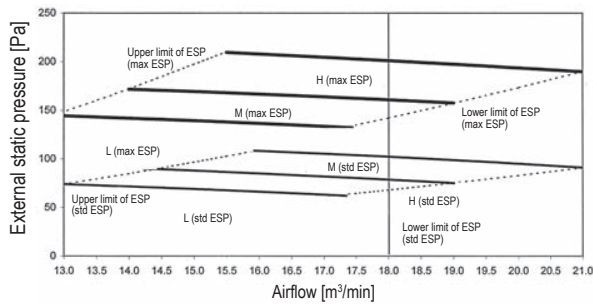
11 Fan characteristics

11 - 1 Fan Characteristics

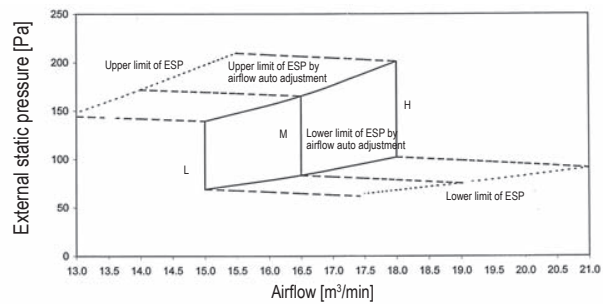
11

FXMQ50P7

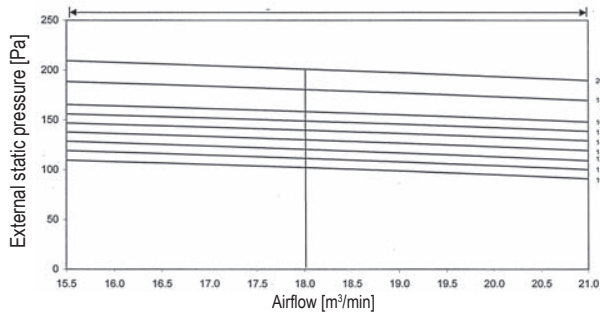
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)
Range of available air flow rate (H)



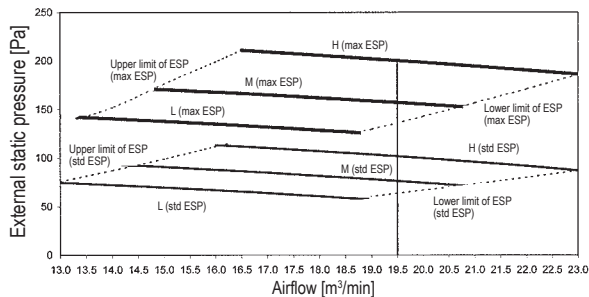
3TW32698-1

NOTES

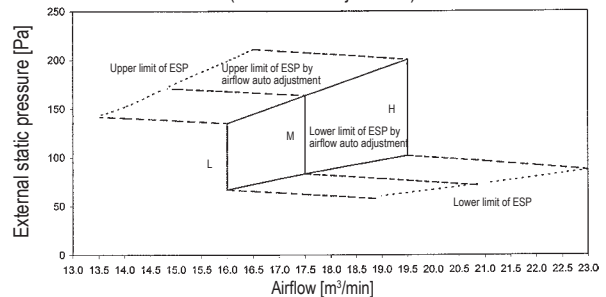
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

FXMQ63P7

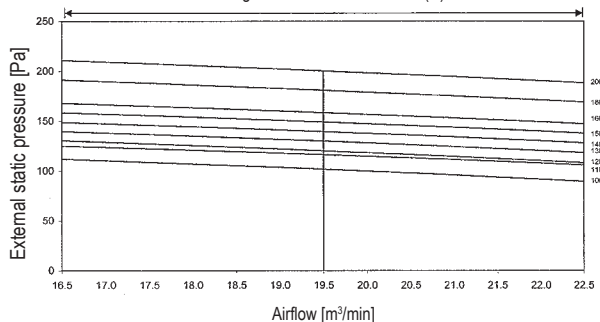
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)
Range of available air flow rate (H)



3TW32708-1

NOTES

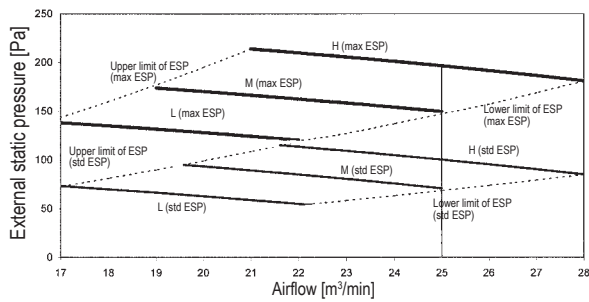
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

11 Fan characteristics

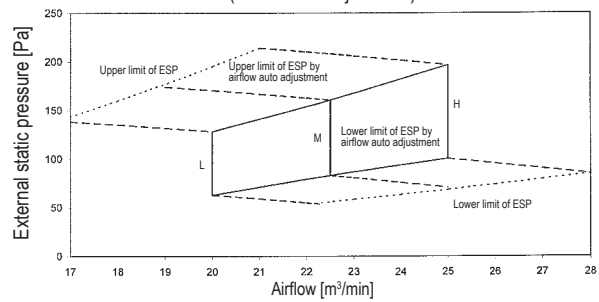
11 - 1 Fan Characteristics

FXMQ80P7

Fan characteristics (1)

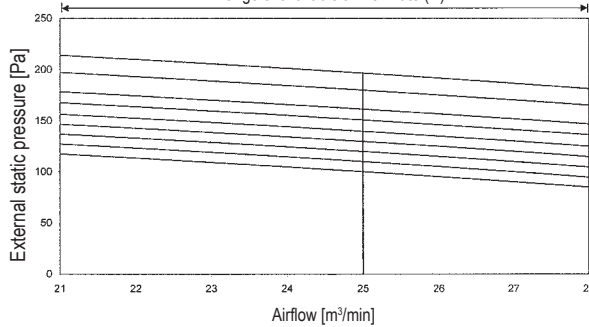


Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)

Range of available air flow rate (H)



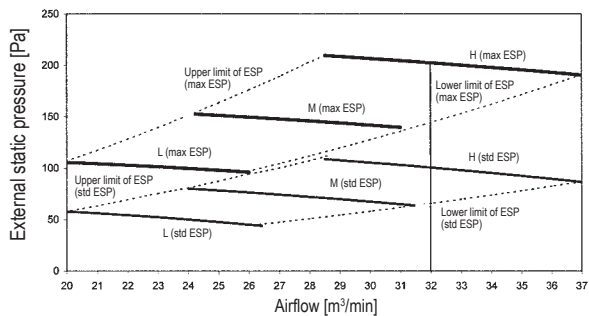
3TW32718-1

NOTES

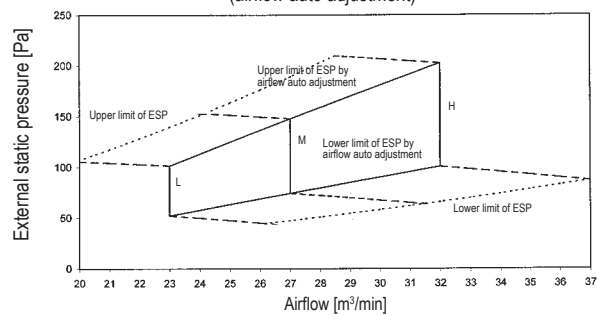
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

FXMQ100P7

Fan characteristics (1)

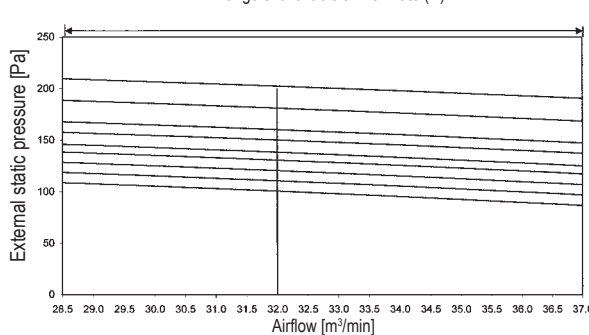


Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)

Range of available air flow rate (H)



3TW32728-1

NOTES

1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure.

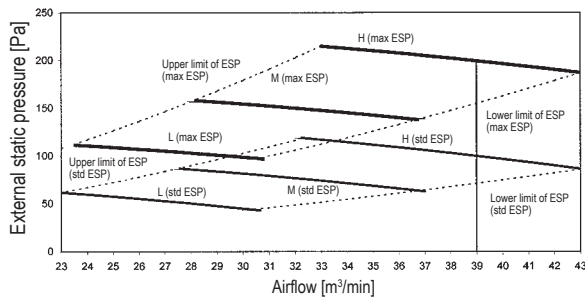
11 Fan characteristics

11 - 1 Fan Characteristics

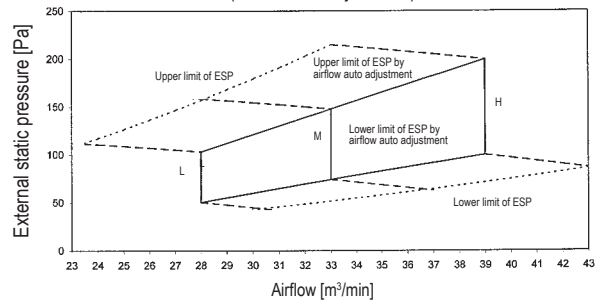
11

FXMQ125P7

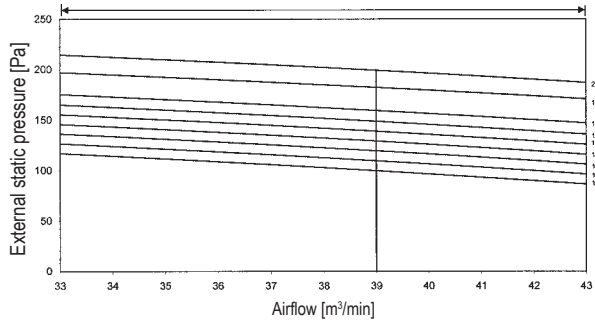
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)
Range of available air flow rate (H)



3TW32738-1

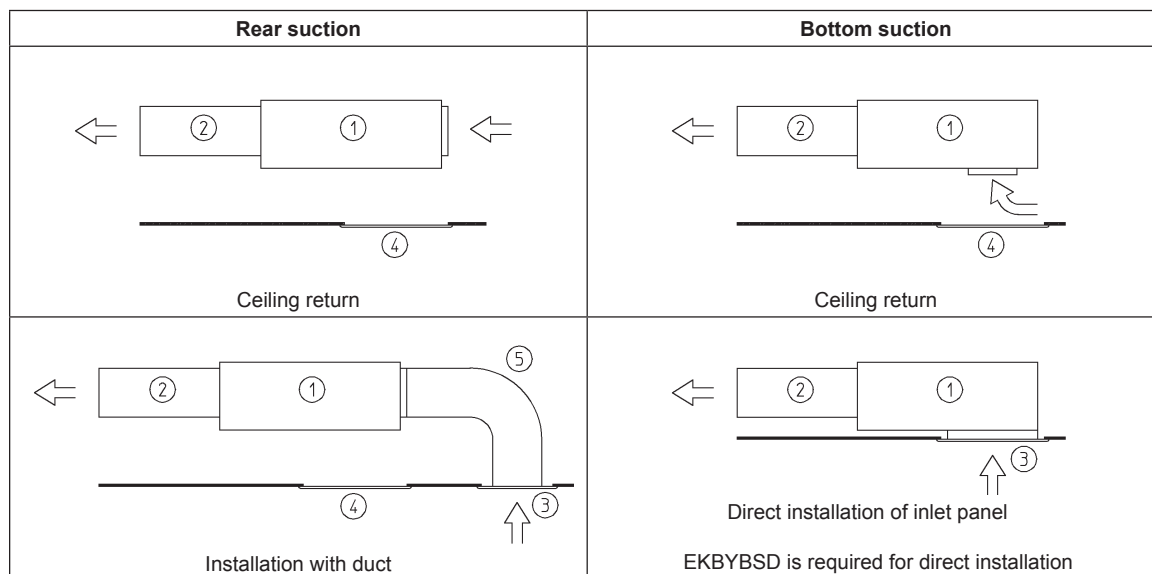
NOTES

1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

12 Installation

12 - 1 Installation Method

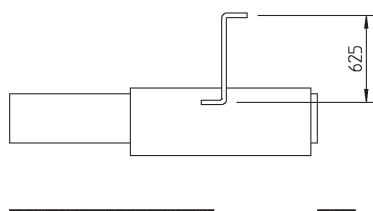
FXMQ-P7



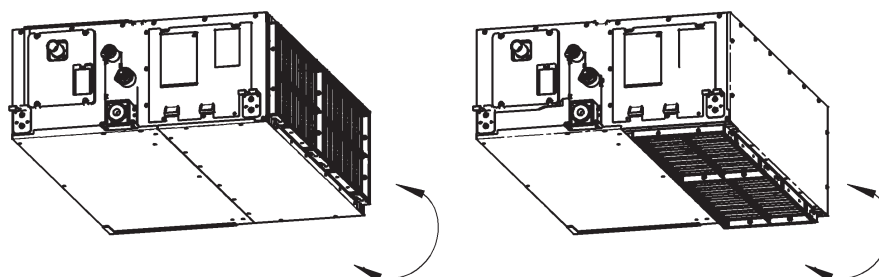
Wide variety of installation methods

Number	Description	
1	Main body	
2	Air outlet duct	Field supply
3	Inlet panel	Optional accessory
4	Access panel	Optional accessory
5	Air inlet duct	Field supply

Drain pump up height



Easy modification from rear to bottom suction



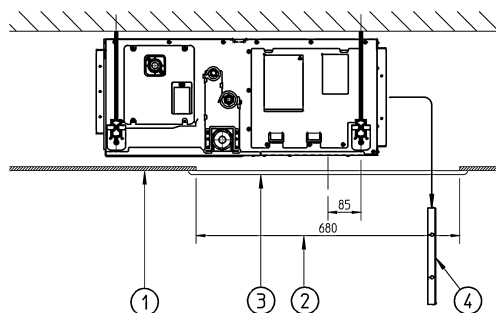
3TW31183-1A

12 Installation

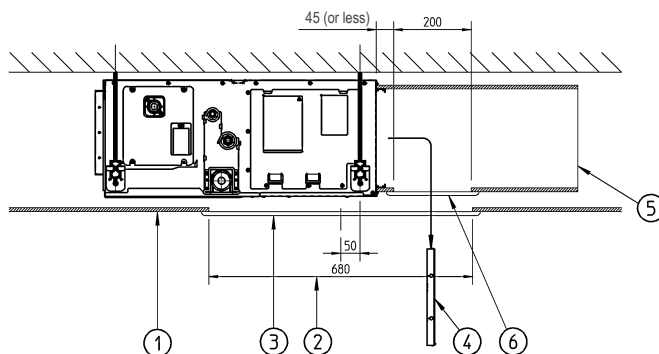
12 - 2 Filter Installation Method

FXMQ-P7

12

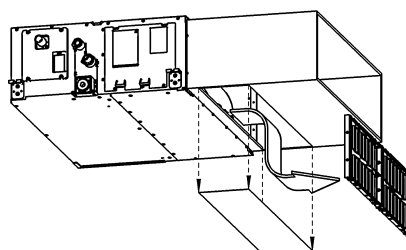


Installation without air inlet duct



Installation with air inlet duct

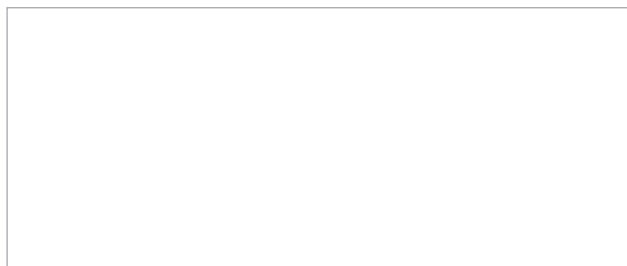
Number	Description
1	Suspended ceiling
2	Ceiling opening
3	Service access panel (optional)
4	Air Filter
5	Air inlet duct
6	Duct service opening



3TW31184-4

NOTES

- When installing the unit with rear suction, a service opening is necessary for the maintenance of the air filters.
- When installing the unit with a suction duct, a service opening must be provided in the duct.



EEDEN22

05/2022



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