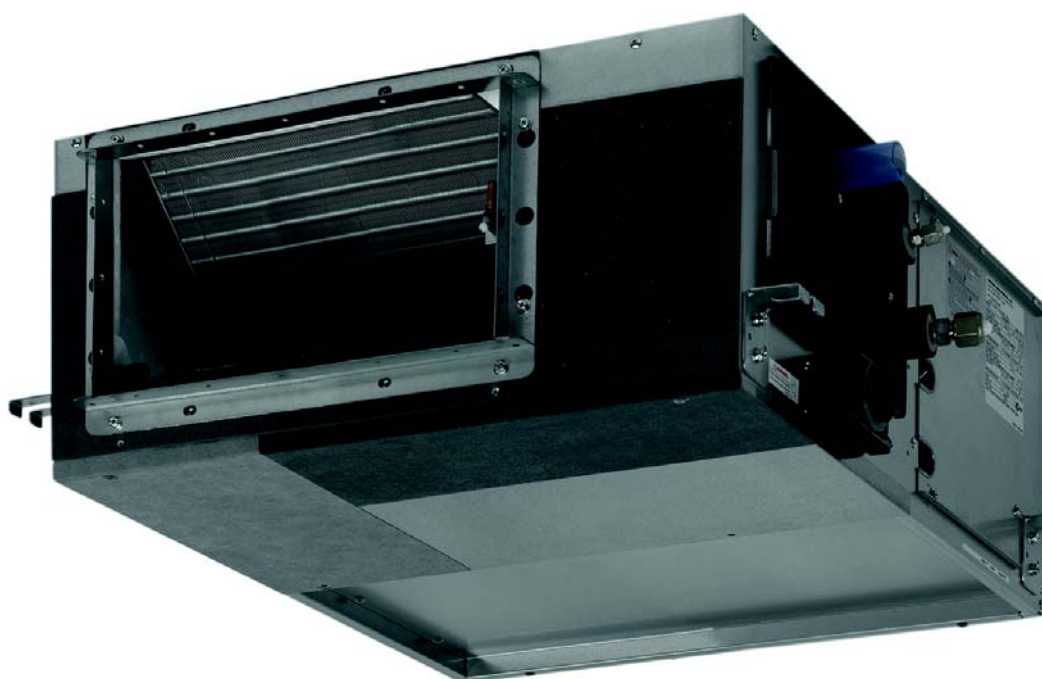




Air Conditioning Technical Data

Concealed ceiling unit with high ESP



EEDEN15-204

FXMQ-P7

TABLE OF CONTENTS

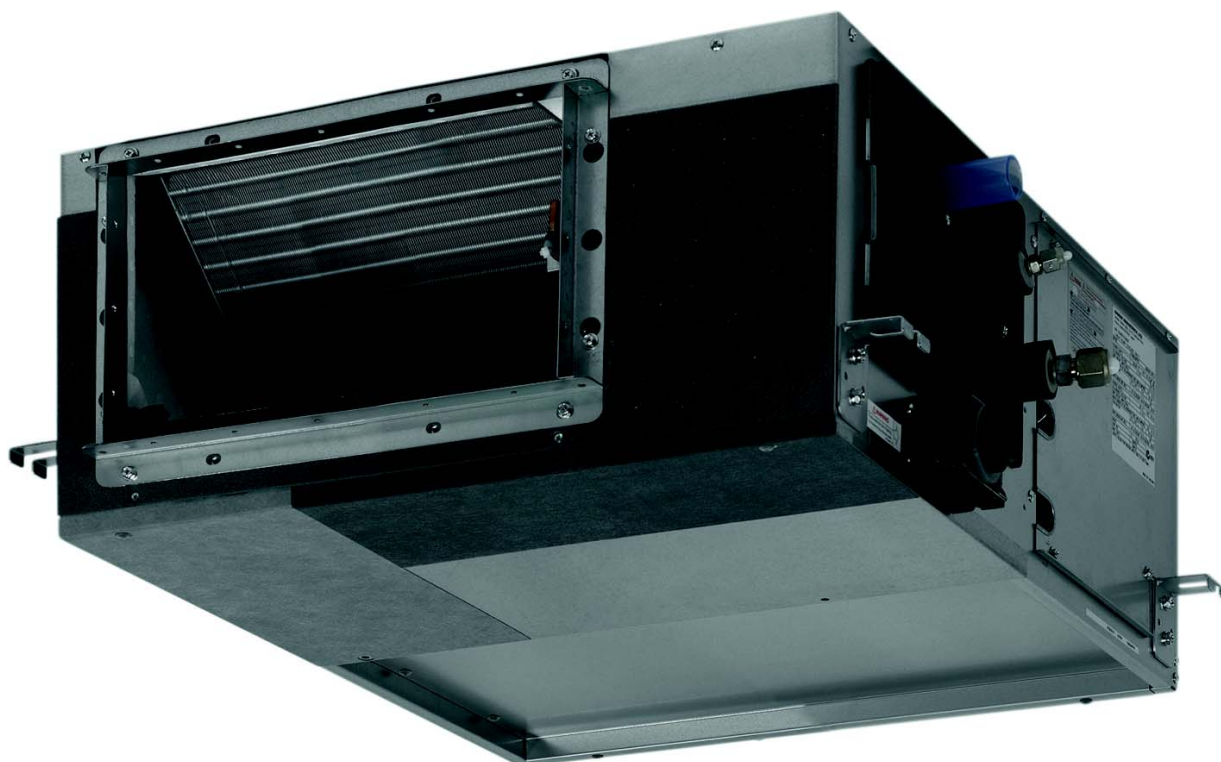
FXMQ-P7

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Electrical data.....	5
4	Safety device settings	6
5	Options	7
6	Capacity tables	8
	Cooling Capacity Tables	8
	Heating Capacity Tables	9
7	Dimensional drawings	10
8	Centre of gravity	12
9	Piping diagrams	13
10	Wiring diagrams	14
	Wiring Diagrams - Single Phase	14
11	Sound data.....	15
	Sound Power Spectrum	15
	Sound Pressure Spectrum	17
12	Fan characteristics	19
13	Installation.....	22
	Installation Method	22

1 Features

ESP up to 200, ideal for large sized spaces

- Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, whatever the length of duct, making installation easier and guaranteeing comfort. Moreover, the ESP can be changed via the wired remote control to optimize the supply air volume
- High external static pressure up to 200Pa facilitates using flexible ducts of varying lengths
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- 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 built-in drain pump increases flexibility and installation speed



Inverter



Home leave operation



Fan only



Auto cooling-heating changeover



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				FXMQ50P7		FXMQ63P7		FXMQ80P7		FXMQ100P7		FXMQ125P7			
Cooling capacity	Nom.			kW		5.6 (1)		7.1 (1)		9.0 (1)		11.2 (1)		14.0 (1)	
Heating capacity	Nom.			kW		6.3 (2)		8.0 (2)		10.0 (2)		12.5 (2)		16.0 (2)	
Power input - 50Hz	Cooling	Nom.		kW		0.110 (1)		0.120 (1)		0.171 (1)		0.176 (1)		0.241 (1)	
	Heating	Nom.		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									
Required ceiling void \>				mm		350									
Weight	Unit			kg		35				46					
	Packed unit			kg		42				54					
Casing	Colour			Unpainted											
	Material			Galvanised steel plate											
Decoration panel	Model			BYBS71DJW1						BYBS125DJW1					
	Colour			White (10Y9/0.5)											
	Dimensions	Height		mm		55									
		Width		mm		1,100				1,500					
		Depth		mm		500									
	Weight			kg		4.5				6.5					
Heat exchanger	Tube type			ø7 Hi-XSS											
	Fin	Type		Symmetric waffle louvre											
		Treatment		Hydrophilic											
Fan	Type			Sirocco fan											
	Quantity			2						3					
	Air flow rate - 50Hz	Cooling	High	m³/min	18	19.5	25	32	39						
			Nom.	m³/min	16.5	17.8	22.5	27.5	33.5						
			Low	m³/min	15	16	20	23	28						
		Heating	High	m³/min	18	19.5	25	32	39						
			Nom.	m³/min	16.5	17.8	22.5	27.5	33.5						
			Low	m³/min	15	16	20	23	28						
	Air flow rate - 60Hz	Cooling	High	m³/min	18	19.5	25	32	39						
			Nom.	m³/min	16.5	17.8	22.5	27.5	33.5						
			Low	m³/min	15	16	20	23	28						
		Heating	High	m³/min	18	19.5	25	32	39						
			Nom.	m³/min	16.5	17.8	22.5	27.5	33.5						
			Low	m³/min	15	16	20	23	28						
	External static pressure - 50Hz	High		Pa		200									
		Nom.		Pa		100									
	External static pressure - 60Hz	High		Pa		200									
		Nom.		Pa		100									
Fan motor	Quantity			1											
	Model			Brushless DC motor											
	Speed		Steps		14										
	Output		High W		350										
	Drive			Direct drive											
Air filter	Type			Resin net with mold resistance											
Sound power level	Cooling	High		dBA		61	64	67	65	70					
Sound pressure level	Cooling	High		dBA		41	42	43	44						
		Nom.		dBA		39	40	41	42						
		Low		dBA		37	38	39	40						
	Heating	High		dBA		41	42	43	44						
		Nom.		dBA		39	40	41	42						
		Low		dBA		37	38	39	40						
Refrigerant	Type			R-410A											
	Control			Electronic expansion valve											

2 Specifications

2-1 Technical Specifications				FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
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						
Drain-up height			mm	625				
Safety devices	Item	01		PC board fuse				
		02		PC board fuse (fan driver)				
		03		Drain pump fuse				
Control systems	Infrared remote control			BRC4C65				
	Simplified wired remote control for hotel applications			BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)				
	Wired remote control			BRC1D52 / BRC1E52A/B				

2-2 Electrical Specifications				FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Power supply	Name			VE				
	Phase			1~				
	Frequency		Hz	50/60				
	Voltage		V	220-240/220				
Voltage range	Min.		%	-10				
	Max.		%	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				

Notes

(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

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

The sound pressure values are mentioned for a unit installed with rear 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%.

Select wire size based on the value of MCA

Use a circuit breaker instead of a fuse.

3 Electrical data

3 - 1 Electrical Data

FXMQ-P7

Units						Power supply	
Model	Type	Hz	Voltage range	Min.	Max.	MCA	MFA
FXMQ50P7	VE	50/60	220~240V/ 220V	-10%	+10%	1.4	16
FXMQ63P7						1.4	16
FXMQ80P7						1.7	16
FXMQ100P7						2.3	16
FXMQ125P7						2.9	16

NOTES

- Voltage range
Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above listed range limits.
- Maximum allowable voltage unbalance between phases is 2%.
- Select wire size based on the MCA.
- Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps. (A)
MFA : Max. Fuse Amps. (See note 4)

4TW32651-2

4 Safety device settings

4 - 1 Safety Device Settings

4

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

5 Options

5 - 1 Options

FXMQ-P7

Options

Nr.	Item	Type	FXMQ50,63,80	FXMQ100,125
1	Air discharge adapter for round ducts		KDAJ25K71A	KDAJ25K140A

Control systems

Nr.	Item	Type	FXMQ50,63,80	FXMQ100,125
1	Remote control	Wired	BRC1D528 / BRC1C62 (*5) / BRC1E52A7 (*6) / BRC1E52B7 (*7)	
		Infrared		BRC4C65
		H/P		BRC4C66
		C/O		
2	Simplified remote control (with operation mode selector button)			BRC2E52C7 (*8)
3	Simplified remote control (without operation mode selector button)			BRC3E52C7 (*8)
4	Optional PCB for external electric heaters, humidifiers and/or hour meters.		EKRP1B2A (*1) (*2) (*3) (*4)	
5	Adapter for wiring (interlock for fresh air intake fan)		KRP1C64 (*4)	
6.1	Wiring adapter for electrical appendices (1)		KRP2A51 (*2) (*4)	
6.2	Wiring adapter for electrical appendices (2)		KRP4A51 (*4)	
7	Remote sensor		KRCS01-4B	
8	Centrak remote control		DCS302CA51 / DCS302CA61 (*5)	
8.1	Electrical box with earth terminal (3 blocks)		KJB311A	
9	Unified ON/OFF controller		DCS301BA51 / DST301BA61 (*5)	
9.1	Electrical box with earth terminal (2 blocks)		KJB212A	
10	Schedule timer		DST301BA51 / DST301BA61 (*5)	
11	External adapter for outdoor unit (installation on indoor unit)		DTA104A61 (*4)	
12	PCB for multi-tenant indoor units		DTA114A61 (*4)	
13	Mounting plate for adapter PCB		KRP4A96	
14	Digital input adapter		BRP7A51 (*4) (*9)	

NOTES

- (*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 PCB's can be mounted.
- (*5) BRC1C62, DCS302CA61, DCS301BA61 & DST301BA61: only for the Middle East region.
- (*6) Included languages are: English, German, French, Dutch, Spanish, Italian, Greek, Portuguese, Russian, Turkish and Polish.
- (*7) Included languages are: English, German, Albanian, Bulgarian, Croatian, Czech, Hungarian, Romanian, Serbian, Slovak and Slovenian.
- (*8) 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.
- (*9) Only possible in combination with simplified remote control BRC2/3E52C7.

Contents of the accessory bag

Description	Quantity
	FXMQ50,63,80,100,125
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

3TW32659-3C

6 Capacity tables

6 - 1 Cooling Capacity Tables

6

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 обору
- 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

6 Capacity tables

6 - 2 Heating Capacity Tables

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

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

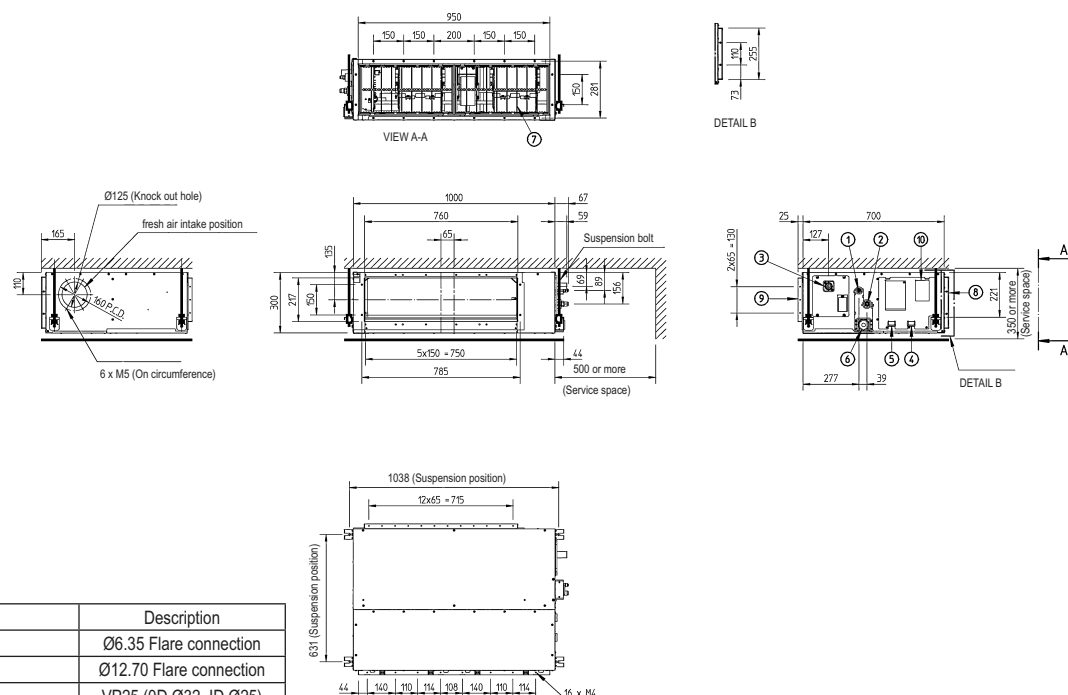
- This table is for the selection of indoor equipment.
 - Deze tabel is bedoeld voor het kiezen van de binnenunit.
 - Ce tableau concerne la sélection de l'équipement intérieur.
 - Diese Tabelle ist für die Auswahl der Innenanlagen.
 - Esta tabla es para seleccionar el equipo interior.
 - Usare questa 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 обору
- 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 sélectionné 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.

7 Dimensional drawings

7 - 1 Dimensional Drawings

7

FXMQ50P7

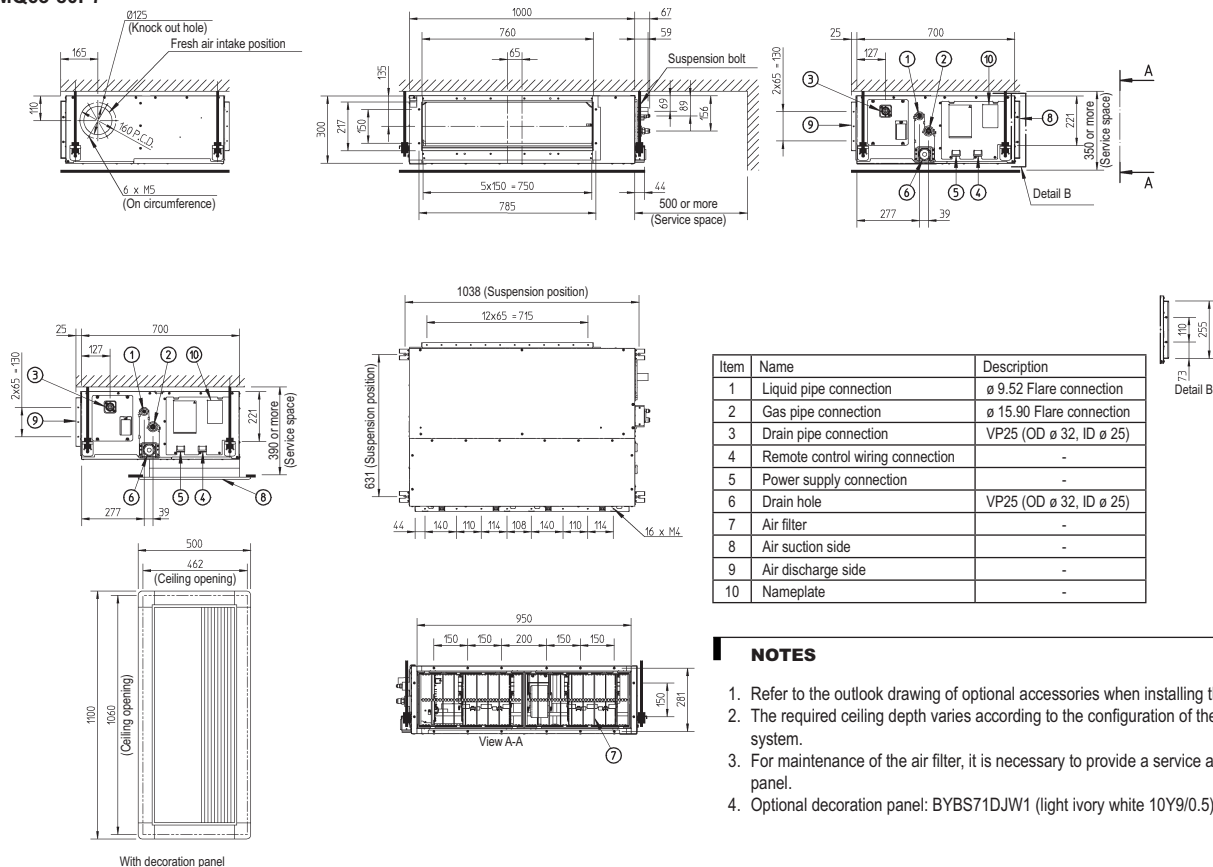


Item	Name	Description
1	Liquid pipe connection	Ø6.35 Flare connection
2	Gas pipe connection	Ø12.70 Flare connection
3	Drain pipe connection	VP25 (0D Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP20 (0D Ø32, ID Ø25)
7	Air filter	-
8	Air suction side	-
9	Air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

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	Manometer	-

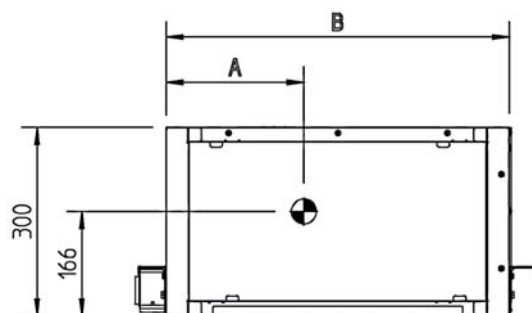
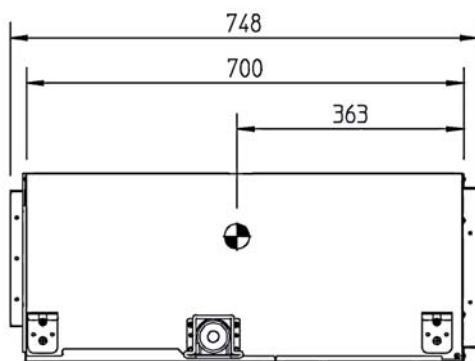
NOTES

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)

8 Centre of gravity

8 - 1 Centre of Gravity

FXMQ-P7



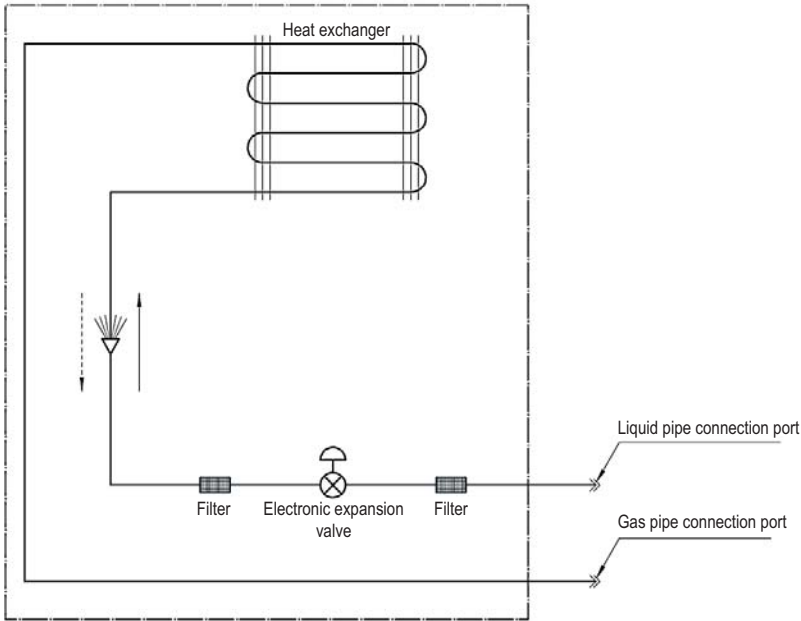
Model	A	B
FXMQ50,63,80	441	1000
FXMQ100,125	619	1400

4TW31189-1B

9 Piping diagrams

9 - 1 Piping Diagrams

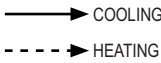
FXMQ-P7



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

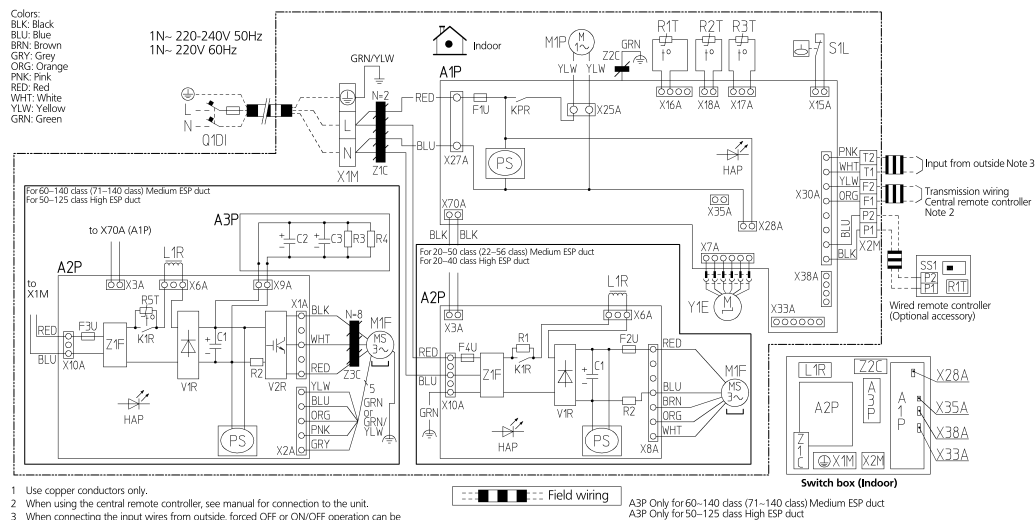
10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXMQ50-125P7

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)
KPR	: Connecting device (Service monitor-green)
KFR1	: Magnetic relay
L1R	: Reactor
M1	: Motor (Fan)
M1P	: Motor (Drain pump)
P5	: Switching power supply
R1D1	: Resistor (heat detector)
R1	: Resistor (current limiting)
R2	: Current sensing device
R3,R4	: Resistor (Electric discharge)
S1T	: Thermistor (Suction air)
R2T	: Thermistor (liquid)
R3T	: Thermistor (Gas)
R4T	: Thermistor NTC (current limiting)
S1L	: Float switch
V1R	: Diode bridge
Z1R	: Power module
X1M	: Terminal strip (Power supply)
X2M	: Terminal strip (control)
X3E	: Expansion expansion valve
Z1C,Z2C,Z3C	: Noise filter (ferriite core)
Z1F	: Noise filter
Connector optional accessory	
X2BA	: Connector (Power supply for wiring)
X3W	: Connector (for wiring)
X3SA	: Connector (Adapter)
X3BA	: Connector (for wiring)
Wired remote controller	
WT	: Thermistor (air)
RS1	: Solid-state relay (main/sub)

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



- 1 Use copper conductors only.
- 2 When using the central remote controller, see manual for connection to the unit.
- 3 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.

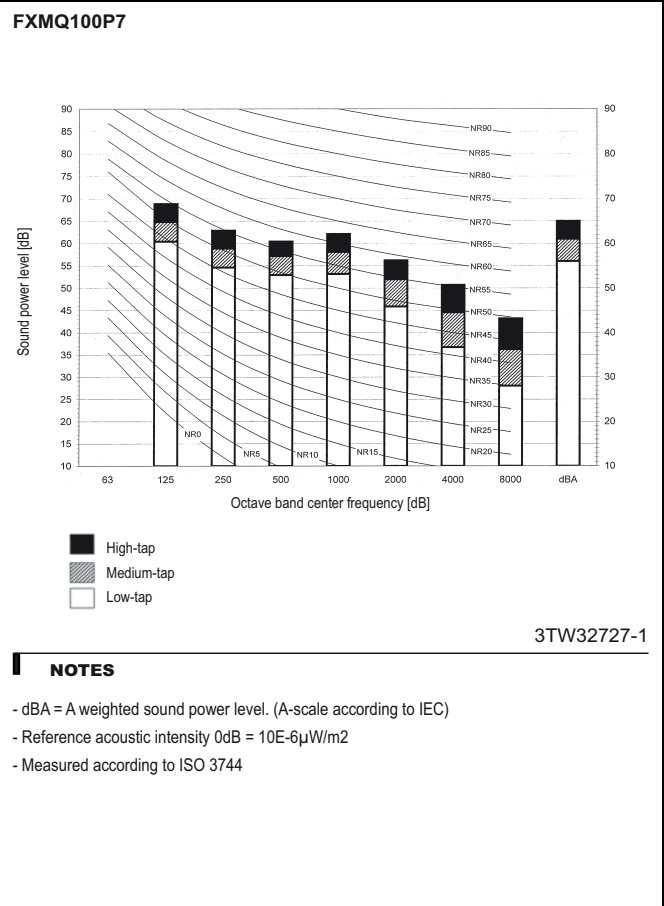
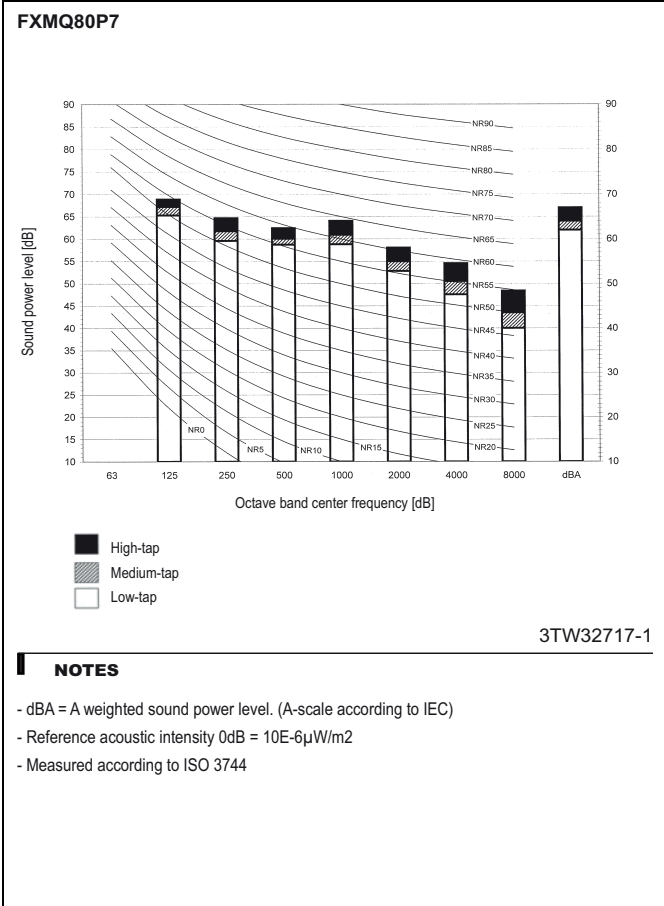
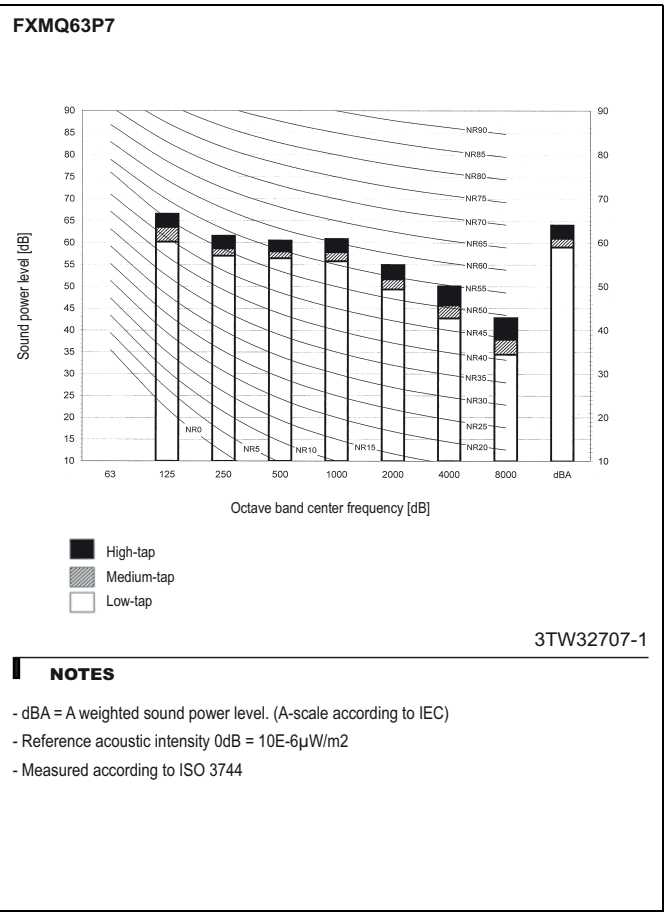
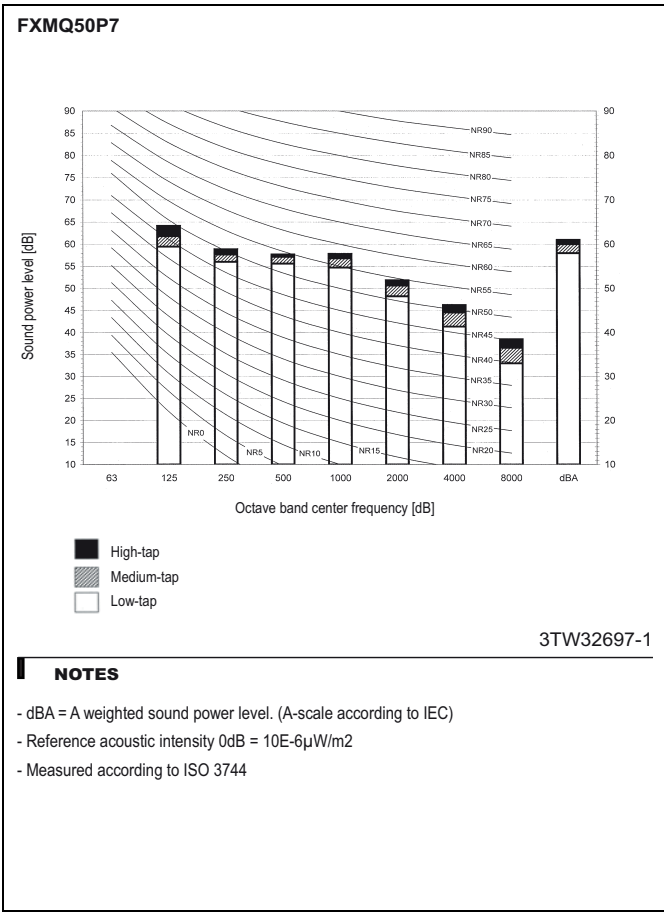
A3P Only for 60~140 class (71~140 class) Medium ESP duct
A3P Only for 50~125 class High ESP duct

L : Live
 N : Neutral
 : Connector

2TW32656-2

11 Sound data

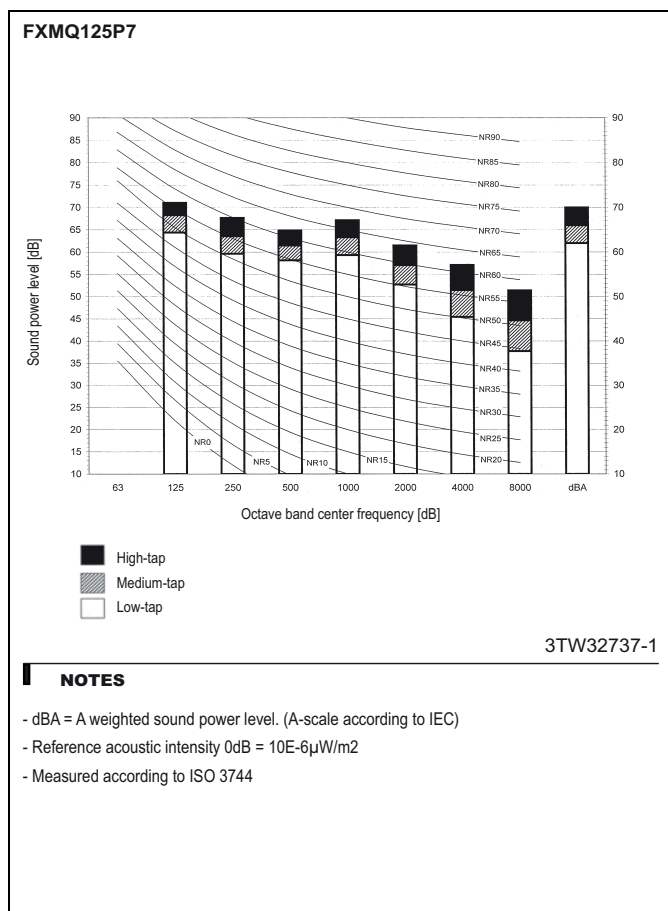
11 - 1 Sound Power Spectrum



11 Sound data

11 - 1 Sound Power Spectrum

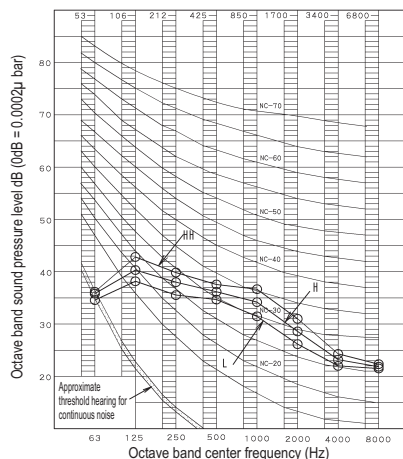
11



11 Sound data

11 - 2 Sound Pressure Spectrum

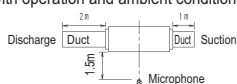
FXMQ50P7



4D060428B

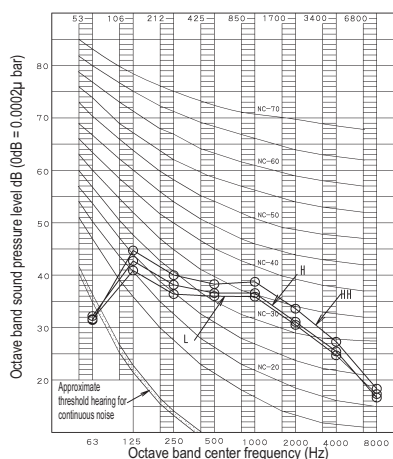
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operating conditions:
Power source: 220~240V 50Hz / 220V 60Hz
Cooling: return air temperature: 27°CDB, 19°CWB
outdoor temperature: 35°CDB, 24°CWD
Heating: return air temperature: 20°CDB, 15°CWB
outdoor temperature: 7°CDB, 6°CWB
External static pressure: 100Pa
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions.
- Location of microphone.



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

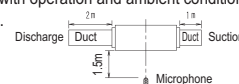
FXMQ63P7



4D060447B

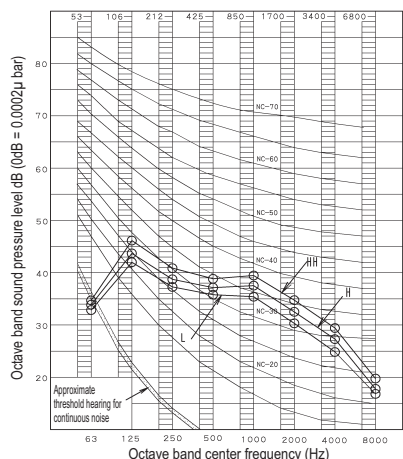
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operating conditions:
Power source: 220~240V 50Hz / 220V 60Hz
Cooling: return air temperature: 27°CDB, 19°CWB
outdoor temperature: 35°CDB, 24°CWD
Heating: return air temperature: 20°CDB, 15°CWB
outdoor temperature: 7°CDB, 6°CWB
External static pressure: 100Pa
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions.
- Location of microphone.



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

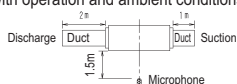
FXMQ80P7



4D060429B

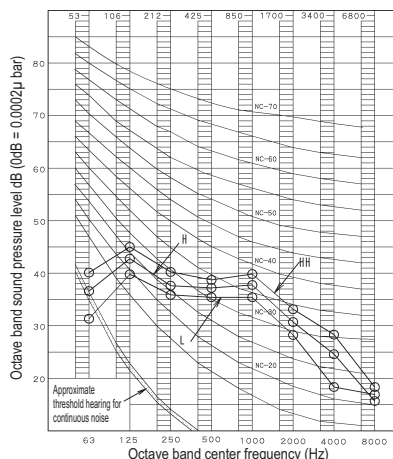
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operating conditions:
Power source: 220~240V 50Hz / 220V 60Hz
Cooling: return air temperature: 27°CDB, 19°CWB
outdoor temperature: 35°CDB, 24°CWD
Heating: return air temperature: 20°CDB, 15°CWB
outdoor temperature: 7°CDB, 6°CWB
External static pressure: 100Pa
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions.
- Location of microphone.



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

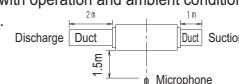
FXMQ100P7



4D060448B

NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operating conditions:
Power source: 220~240V 50Hz / 220V 60Hz
Cooling: return air temperature: 27°CDB, 19°CWB
outdoor temperature: 35°CDB, 24°CWD
Heating: return air temperature: 20°CDB, 15°CWB
outdoor temperature: 7°CDB, 6°CWB
External static pressure: 100Pa
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions.
- Location of microphone.

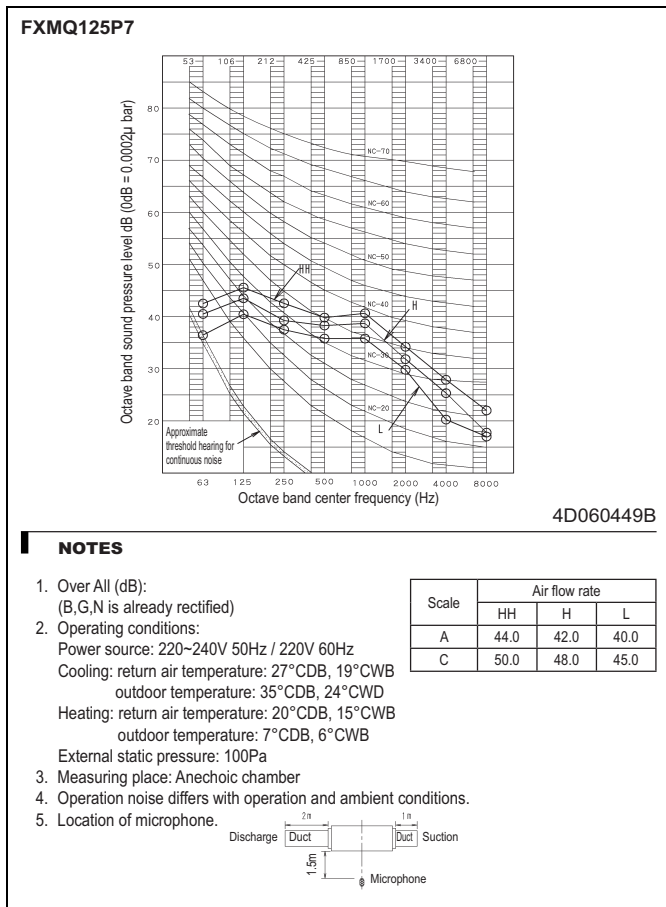


Scale	Air flow rate		
	HH	H	L
A	43.0	41.0	39.0
C	49.0	46.0	44.0

11 Sound data

11 - 2 Sound Pressure Spectrum

11

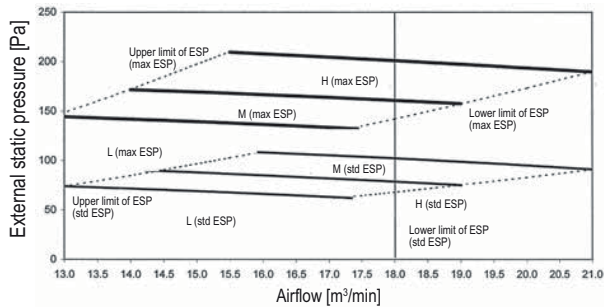


12 Fan characteristics

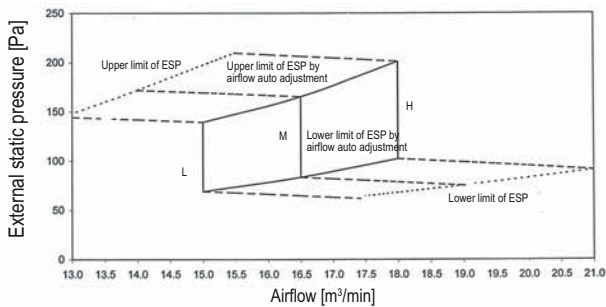
12 - 1 Fan Characteristics

FXMQ50P7

Fan characteristics (1)

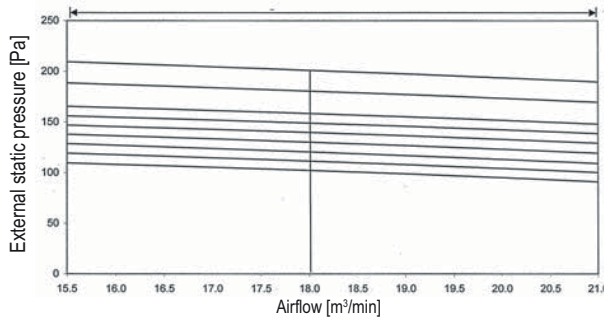


Fan characteristics (3)
(airflow auto adjustment)



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

Range of available air flow rate (H)



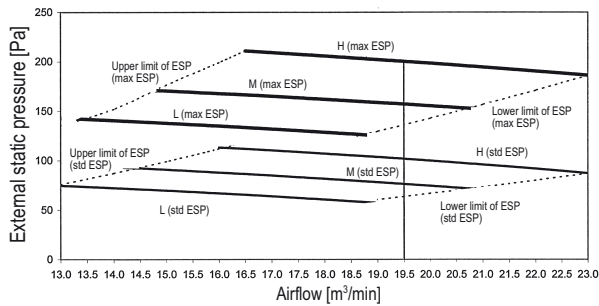
3TW32698-1

NOTES

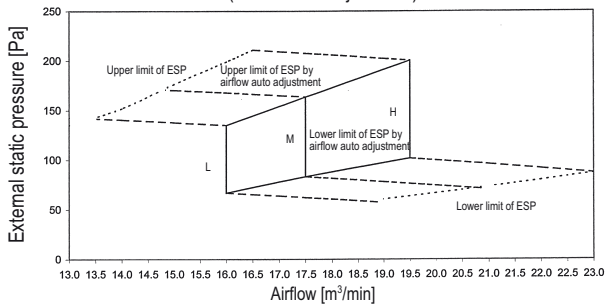
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

FXMQ63P7

Fan characteristics (1)

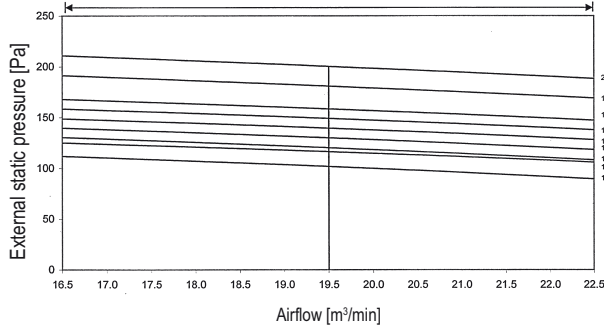


Fan characteristics (3)
(airflow auto adjustment)



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

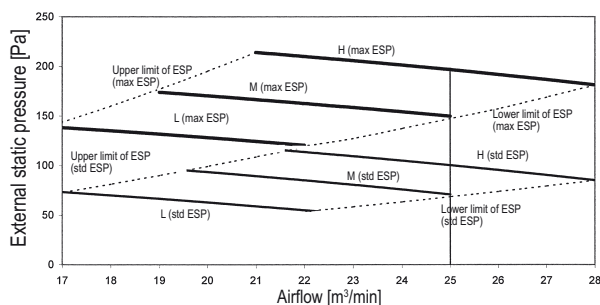
12 Fan characteristics

12 - 1 Fan Characteristics

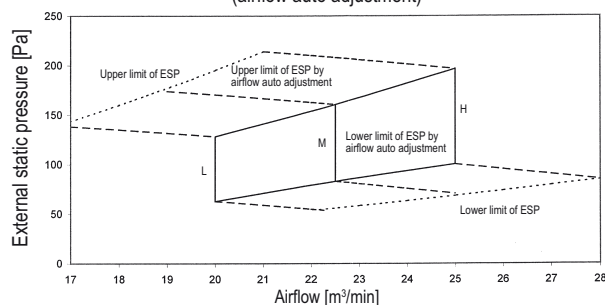
12

FXMQ80P7

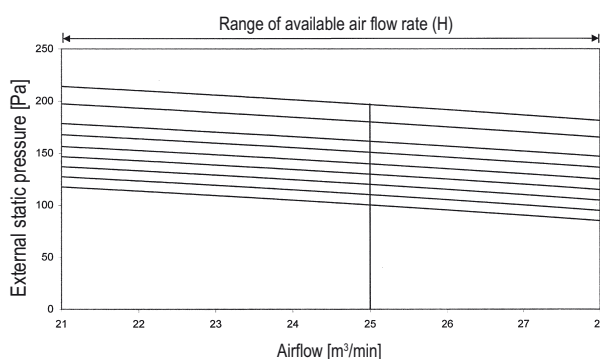
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



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



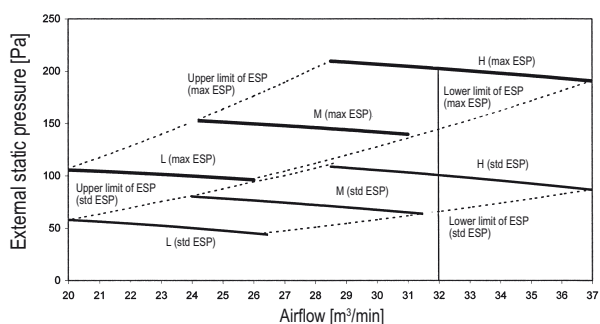
3TW32718-1

NOTES

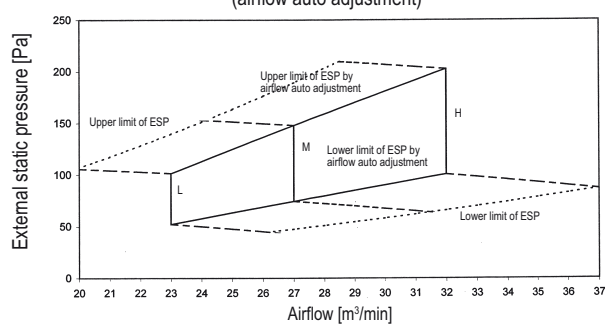
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

FXMQ100P7

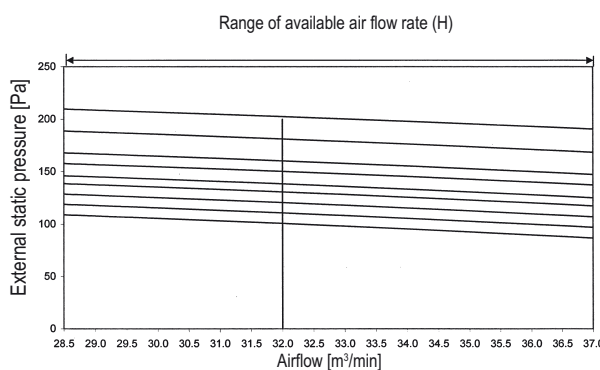
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



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



3TW32728-1

NOTES

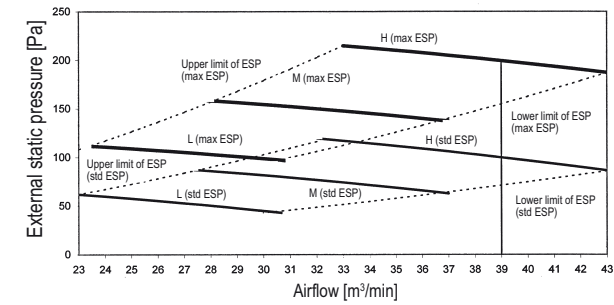
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure.

12 Fan characteristics

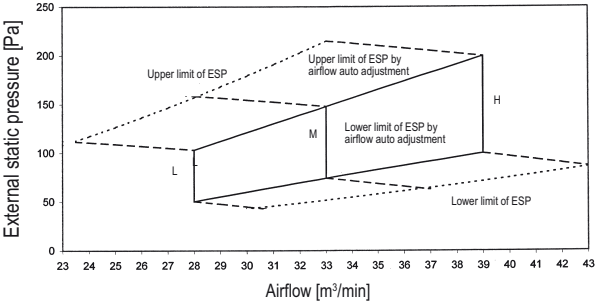
12 - 1 Fan Characteristics

FXMQ125P7

Fan characteristics (1)

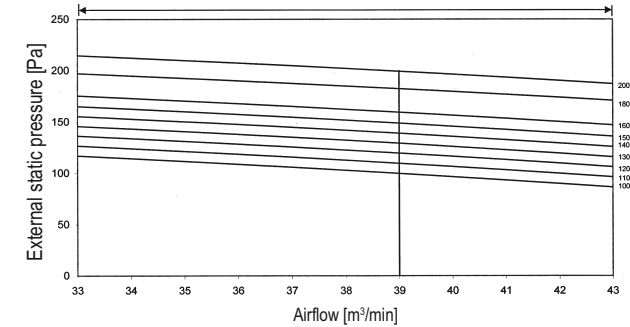


Fan characteristics (3)
(airflow auto adjustment)



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

Range of available air flow rate (H)



3TW32738-1

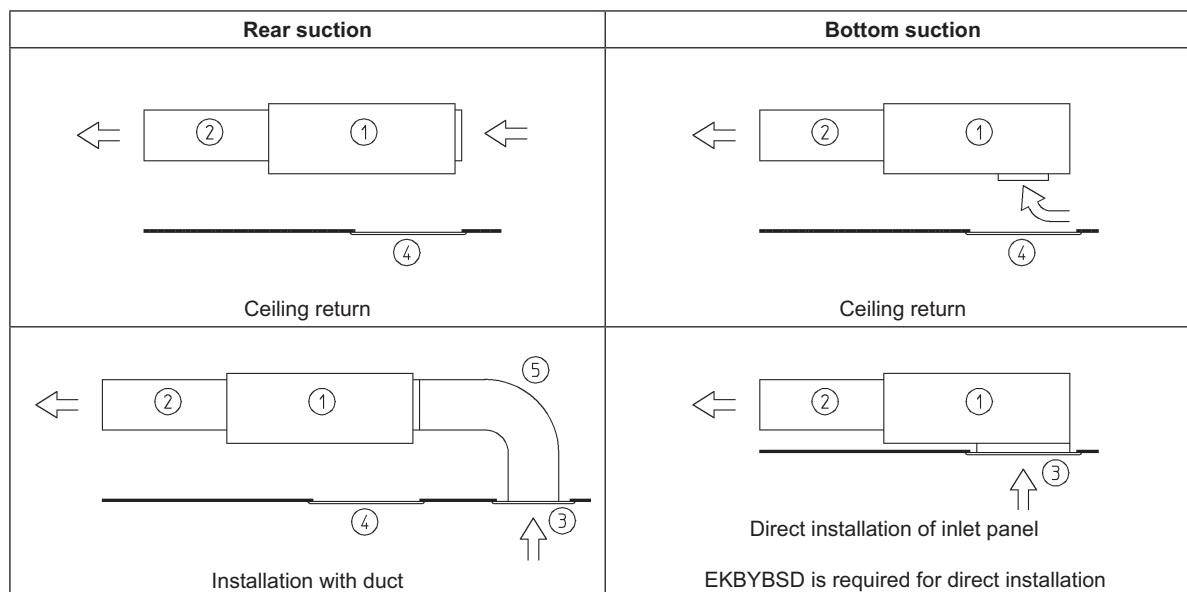
NOTES

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

13 Installation

13 - 1 Installation Method

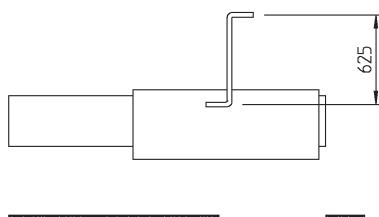
FXMQ-P7



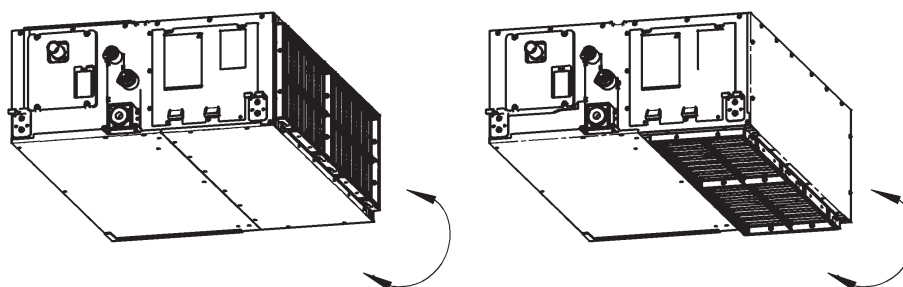
Wide variety of installation methods

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



These products are not within the scope of the Eurovent certification program

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.

BARCODE

Daikin products are distributed by: