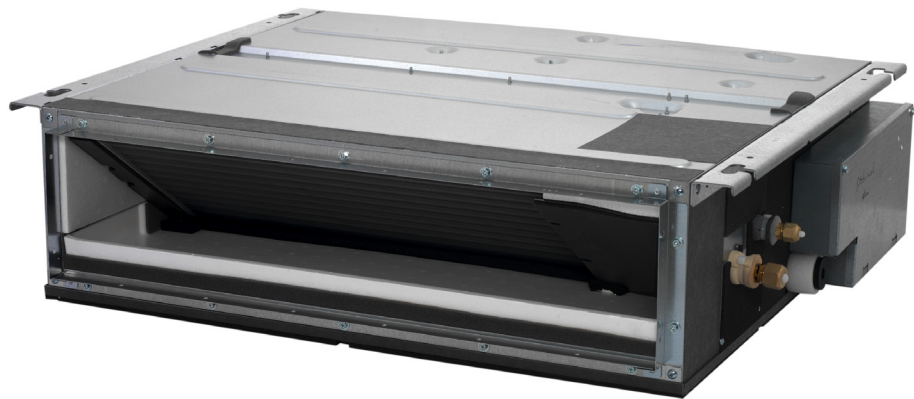




Air Conditioning Technical Data

Slim concealed ceiling unit



EEEN13-204

FXDQ-A

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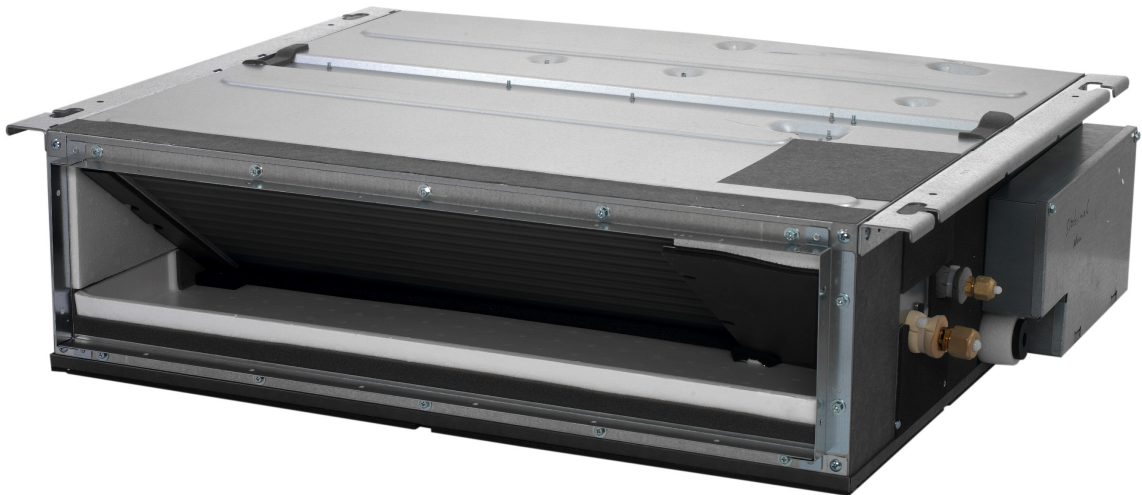
FXDQ-A

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1 Features

- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Blends unobtrusively with any interior décor: 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.
- Low energy consumption thanks to DC inverter fans
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths
- Standard drain pump with 750mm lift

1



3 steps



standard

2 Specifications

2-1 Technical Specifications				FXDQ15A	FXDQ20A	FXDQ25A	FXDQ32A	FXDQ40A	FXDQ50A	FXDQ63A		
Cooling capacity	Nom.			kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	
Heating capacity	Nom.			kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0	
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		
Casing	Colour			Galvanised steel / Non painted								
Dimensions	Unit	Height	mm	200								
		Width	mm	750				950		1,150		
		Depth	mm	620								
	Packed unit	Height	mm	260								
		Width	mm	944				1,144		1,344		
		Depth	mm	785								
Required ceiling void >				mm	240							
Weight	Unit			kg	22				26	29		
	Packed unit			kg	30				34	38		
Heat exchanger	Length			mm	500				700	900		
	Rows	Quantity			2				3			
	Fin pitch			mm	1.5							
	Passes	Quantity			3				6			
	Face area			m ²	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							
		Treatment			Hydrophilic							
	Fan	Type			Sirocco fan							
Quantity			1									
Air flow rate - 50Hz		Cooling	High	m ³ /min	7.5	8.0			10.5	12.5	16.5	
			Nom.	m ³ /min	7.0	7.2			9.5	11.0	14.5	
			Low	m ³ /min	6.4				8.5	10.0	13.0	
Air flow rate - 60Hz		Cooling	Super high	m ³ /min	7.5	8.0			10.5	12.5	16.5	
			High	m ³ /min	7.0	7.2			9.5	11.0	14.5	
			Low	m ³ /min	6.4				8.5	10.0	13.0	
External static pressure - 50Hz		High	Pa	30				44				
		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				
	Output	High	W	44				65				
Sound power level	Cooling	Nom.	dBA	50	51			52	53	54		
Sound pressure level	Cooling	High	dBA	32	33			34	35	36		
		Nom.	dBA	31				32	33	34		
		Low	dBA	27				28	29	30		
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									
Air filter	Type			Removable / washable / mildew proof								
Drain-up height				mm	600							
Safety devices	Item	01			Fuse							
		02			Thermal protector for fan motor							

2 Specifications

2

2-2 Electrical Specifications				FXDQ15A	FXDQ20A	FXDQ25A	FXDQ32A	FXDQ40A	FXDQ50A	FXDQ63A
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	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

- (1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m
- (3) Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- (4) External static pressure is changeable to set by the remote control (from standard to high, see installation manual)
- (5) 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.
- (6) Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- (7) Maximum allowable voltage range variation between phases is 2%.
- (8) MCA/MFA: $MCA = 1.25 \times FLA$
- (9) $MFA \leq 4 \times FLA$
- (10) Next lower standard fuse rating minimum 15A
- (11) Select wire size based on the value of MCA
- (12) Instead of a fuse, use a circuit breaker

3 Electrical data

3 - 1 Electrical Data

FXDQ-A

Model	Power supply				IFM		Input		
	Hz	Volts	Voltage range	MCA	MFA	kW	FLA	Cooling	Heating
FXDQ15A	50	220-240V	Max. 264V Min. 198V	0.4	16	0.036	0.3	71	68
FXDQ20A				0.4		0.036	0.3	71	68
FXDQ25A				0.4		0.036	0.3	71	68
FXDQ32A				0.4		0.036	0.3	71	68
FXDQ40A				0.5		0.038	0.4	78	75
FXDQ50A				0.5		0.038	0.4	99	96
FXDQ63A				0.6		0.06	0.5	110	107
FXDQ15A	60	220V	Max. 242V Min. 198V	0.4	16	0.036	0.3	71	68
FXDQ20A				0.4		0.036	0.3	71	68
FXDQ25A				0.4		0.036	0.3	71	68
FXDQ32A				0.4		0.036	0.3	71	68
FXDQ40A				0.5		0.038	0.4	78	75
FXDQ50A				0.5		0.038	0.4	99	96
FXDQ63A				0.6		0.060	0.5	110	107

SYMBOLS

MCA : Min. Circuit Amps. (A)
MFA : Max. Fuse Amps. (See note 5)
kW : Fan Motor Rated Output (kW)
FLA : Full Load Amps. (A)
IFM : Indoor Fan Motor.

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 Maximum allowable voltage unbalance between phases is 2%.
- 3 MCA/MFA
MCA=1.25xFLA
MFA≤4xFLA
(next lower standard fuse rating, min.15A)
- 4 Select wire size based on the MCA.
- 5 Instead of fuse, use circuit breaker.

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4 Options

4 - 1 Options

FXDQ-A

Kit name	MODEL		
	FXDQ15A FXDQ20A FXDQ25A FXDQ32A	FXDQ40A FXDQ50A	FXDQ63A
Wired remote control	BRC1D52 BRC1D61(1)		
Simplified remote controller	BRC2C51*3		
Stylish remote controller	BRC1E52A*4, BRC1E52B*5		
Remote control for hotel use	BRC3A61		
Infrared Remote control (H/P)	BRC4C62		
Central remote control	DCS302C51 DCS302C61 (1)		
Unified ON/OFF control	DCS301B51 DCS301B61(1)		
Schedule timer	DST301B51 DST301B61(1)		
Residential central remote control	DCS303A51 (1) (2)		
Adapter for wiring	KRP1B56		
Wiring adapter for electrical appendices 1	KRP2A53		
Wiring adapter for electrical appendices 2	KRP4A54		
Remote sensor	KRCS01-1		
Installation box for adapter PCB	KRP1BA101		
Electric box with earth terminal - 2 blocks	KJB212A		
Electric box with earth terminal - 3 blocks	KJB311A		
Noise filter (for electromagnetic interface use only)	KEK26-1A		
External control adapter for outdoor unit (must be installed on indoor unit)	DTA104A53		
Multi tenant	DTA114A61		
Insulation kit for high humidity	KDT25N32	KDT25N50	KDT25N63

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(1): For DAME only

(2): For residential use only. Cannot be used together with other centralised control equipment.

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

*4: Included languages are: English, German, French, Dutch, Spanish, Italian, Greek, Portuguese, Russian, Turkish and Polish.

*5: Included languages are: English, German, Albanian, Bulgarian, Croatian, Czech, Hungarian, Romanian, Serbian, Slovak and Slovenian.

5 Capacity tables

5 - 1 Cooling Capacity Tables

FXDQ-A

Cooling Capacity

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

Unit size	Outdoor °CDB	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
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

3TW32902-4A

5 Capacity tables

5 - 2 Heating Capacity Tables

FXDQ-A

Heating Capacity

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

5 Capacity tables

5 - 3 Capacity Correction Factor

FXDQ-A

		Capacity correction factor Te = 9°C														
		14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB		
Indoor air temperature		20.0 °CDB	23.0 °CDB	26.0 °CDB	27.0 °CDB	28.0 °CDB	30.0 °CDB	32.0 °CDB								
FXDQ15A	TC	0.685	0.694	0.755	0.778	0.802	0.833	0.855								
	SHF	1.124	1.176	1.118	1.094	1.074	1.053	1.048								
FXDQ20A	TC	0.685	0.694	0.755	0.778	0.802	0.833	0.855								
	SHF	1.124	1.176	1.118	1.094	1.074	1.053	1.048								
FXDQ25A	TC	0.685	0.694	0.755	0.778	0.802	0.833	0.855								
	SHF	1.124	1.176	1.118	1.094	1.074	1.053	1.048								
FXDQ32A	TC	0.688	0.703	0.754	0.770	0.788	0.818	0.840								
	SHF	1.130	1.171	1.122	1.101	1.083	1.065	1.055								
FXDQ40A	TC	0.677	0.699	0.758	0.780	0.798	0.826	0.857								
	SHF	1.155	1.169	1.113	1.090	1.074	1.062	1.043								
FXDQ50A	TC	0.680	0.698	0.758	0.781	0.799	0.830	0.857								
	SHF	1.143	1.169	1.113	1.090	1.073	1.063	1.047								
FXDQ63A	TC	0.673	0.708	0.767	0.793	0.812	0.839	0.862								
	SHF	1.153	1.158	1.106	1.083	1.069	1.059	1.046								

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1. Capacity : Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.

Leistung: Gesamtleistung für hochfühlbaren Leistungsmodus = Gesamtleistung für normale Leistungstabelle x GL-Verhältnis.

Απόδοση: Συνολική απόδοση για τη λειτουργία υψηλής ευαισθησίας = Συνολική απόδοση για τον πίνακα κανονικών αποδόσεων X αναλογία TC

Capacidad: Capacidad total para el modo de alta sensibilidad = Capacidad total para la tabla de capacidad normal X relación TC.

Capacité sensible (FCS (Facteur de chaleur sensible) – en anglais : SHF) : FCS pour le mode sensibilité élevée (« High ») = FCS du tableau des capacités normales x rapport FCS.

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Capaciteit: totale capaciteit in modus grote ("High") gevoeligheid = totale capaciteit uit de tabel met normale capaciteiten x TC-ratio.

Производительность: Общая производительность для режима с высоким коэфф. оцутимого охлаждения = Общая производительность для нормального режима, таблица X коэфф. TC.

Kapasite: Yüksek algı modu için toplam kapasite = Normal kapasite tablosundaki toplam kapasite değeri x TC oranı.

2. Sensible capacity (SHF): SHF for High sensible mode = SHF for normal capacity table X SHF ratio .

Fühlbare Leistung (SHF): SHF für hochfühlbaren Leistungsmodus = SHF für normale Leistungstabelle x SHF-Verhältnis.

Αισθητή απόδοση (SHF): SHF για λειτουργία υψηλής ευαισθησίας = SHF για πίνακα κανονικών αποδόσεων X αναλογία SHF .

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Capacità sensibile (SHF): SHF per modalità ad alta capacità sensibile = SHF per tabella capacità normali X rapporto SHF.

Gevoeligheidsfactor (WGF (warmtegevoelfactor)– in het Engels "SHF"): WGF voor de modus grote ("High") gevoeligheid = WGF uit de tabel met normale capaciteiten x WGF-ratio.

Ощутимая производительность (SHF): SHF для режима с высоким коэфф. оцутимого охлаждения = SHF для нормального режима, таблица X коэфф. SHF.

Algılanabilir kapasite (SHF): Yüksek algı modu için SHF = Normal kapasite tablosundaki SHF değeri x SHF oranı.

3. In case of SHF is bigger than 1, SHF is "1"
Für den Fall, dass SHF größer als 1 ist, wird SHF als "1" angenommen.

Σε περίπτωση που το SHF είναι μεγαλύτερο από 1, το SHF είναι "1"

En caso de que SHF sea superior a 1, SHF equivale a "1"

Si FCS est supérieur à 1, utilisez « 1 » pour FCS.

Qualora il valore SHF sia maggiore di 1, SHF è "1"

Indien WGF groter is dan 1, neem dan "1" voor WGF.

Если SHF больше 1, то SHF равен "1"

SHF değeri 1'den büyükse, SHF değeri "1" kabul edilmelidir

5 Capacity tables

5 - 3 Capacity Correction Factor

FXDQ-A

	Indoor air temperature	Capacity correction factor Te = 11°C													
		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	23.0 °CDB	26.0 °CDB	26.0 °CDB	27.0 °CDB	27.0 °CDB	28.0 °CDB	28.0 °CDB	30.0 °CDB	30.0 °CDB	32.0 °CDB	32.0 °CDB	
FXDQ15A	TC	0.550	0.565	0.583	0.621	0.658	0.714	0.752							
	SHF	1.124	1.218	1.272	1.212	1.166	1.109	1.090							
FXDQ20A	TC	0.550	0.565	0.583	0.621	0.658	0.714	0.752							
	SHF	1.124	1.218	1.272	1.212	1.166	1.109	1.090							
FXDQ25A	TC	0.550	0.565	0.583	0.621	0.658	0.714	0.752							
	SHF	1.124	1.218	1.272	1.212	1.166	1.109	1.090							
FXDQ32A	TC	0.551	0.573	0.587	0.619	0.645	0.692	0.730							
	SHF	1.130	1.219	1.273	1.220	1.179	1.129	1.106							
FXDQ40A	TC	0.545	0.558	0.587	0.625	0.657	0.705	0.750							
	SHF	1.155	1.249	1.262	1.204	1.162	1.120	1.091							
FXDQ50A	TC	0.547	0.561	0.587	0.625	0.657	0.710	0.754							
	SHF	1.143	1.235	1.262	1.204	1.162	1.120	1.096							
FXDQ63A	TC	0.541	0.561	0.601	0.641	0.674	0.725	0.763							
	SHF	1.153	1.242	1.244	1.189	1.152	1.114	1.093							

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Capacidad: Capacidad total para el modo de alta sensibilidad = Capacidad total para la tabla de capacidad normal X relación TC.

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Capacità sensibile (SHF): SHF per modalità ad alta capacità sensibile = SHF per tabella capacità normali X rapporto SHF.

Gevoelighedsfactor (WGF (warmtegevoelsfactor) – in het Engels "SHF"): WGF voor de modus grote ("High") gevoeligheid = WGF uit de tabel met normale capaciteiten x WGF-ratio.

Оцутимая производительность (SHF): SHF для режима с высоким коэфф. оцутимого охлаждения = SHF для нормального режима, таблица X коэфф. SHF.

Algılanabilir kapasite (SHF): Yüksek algı modu için SHF = Normal kapasite tablosundaki SHF değeri x SHF oranı.

3. In case of SHF is bigger than 1, SHF is "1"

Für den Fall, dass SHF größer als 1 ist, wird SHF als "1" angenommen.

Σε περίπτωση που το SHF είναι μεγαλύτερο από 1, το SHF είναι "1"

En caso de que SHF sea superior a 1, SHF equivale a "1"

Si FCS est supérieur à 1, utilisez « 1 » pour FCS.

Qualora il valore SHF sia maggiore di 1, SHF è "1"

Indien WGF groter is dan 1, neem dan "1" voor WGF.

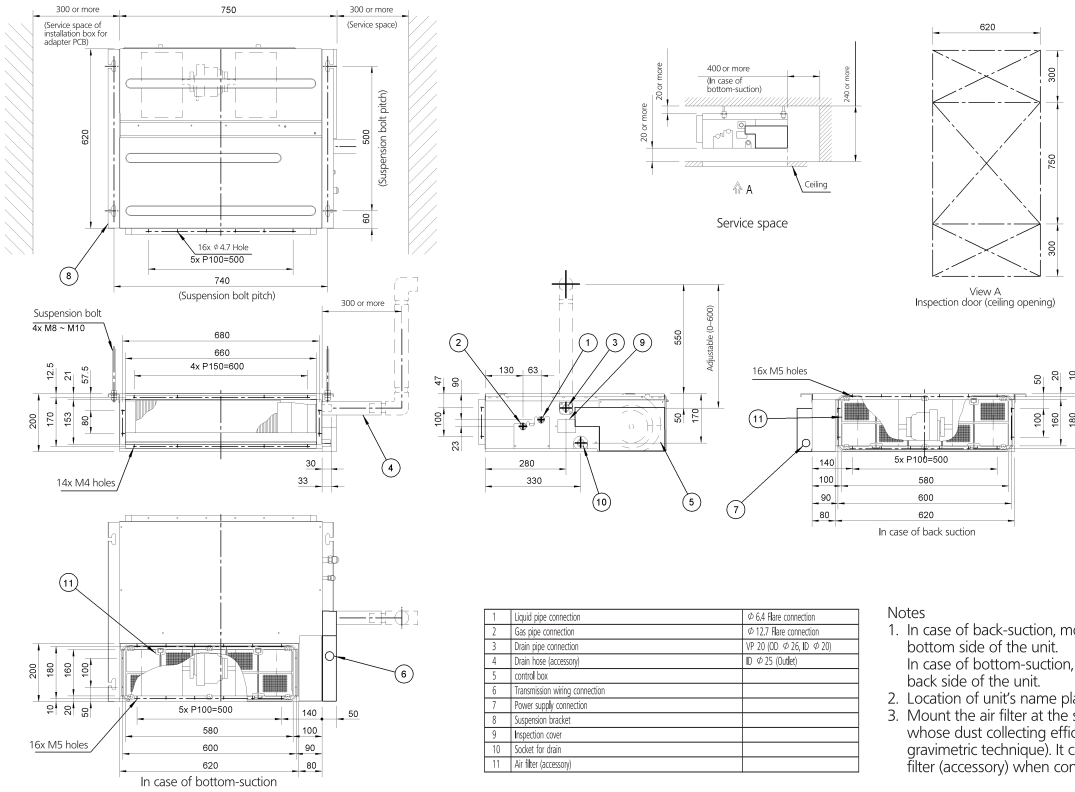
Если SHF больше 1, то SHF равен "1"

SHF değeri 1'den büyükse, SHF değeri "1" kabul edilmelidir

6 Dimensional drawings

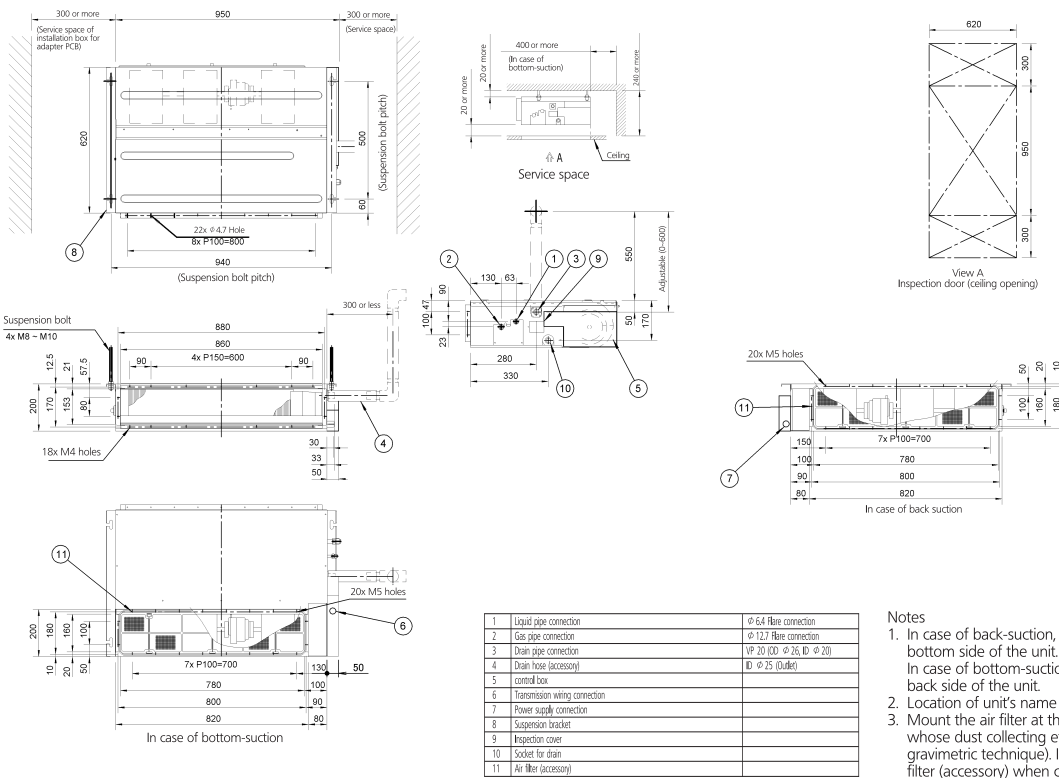
6 - 1 Dimensional Drawings

FXDQ15-32A



3D081435

FXDQ40-50A



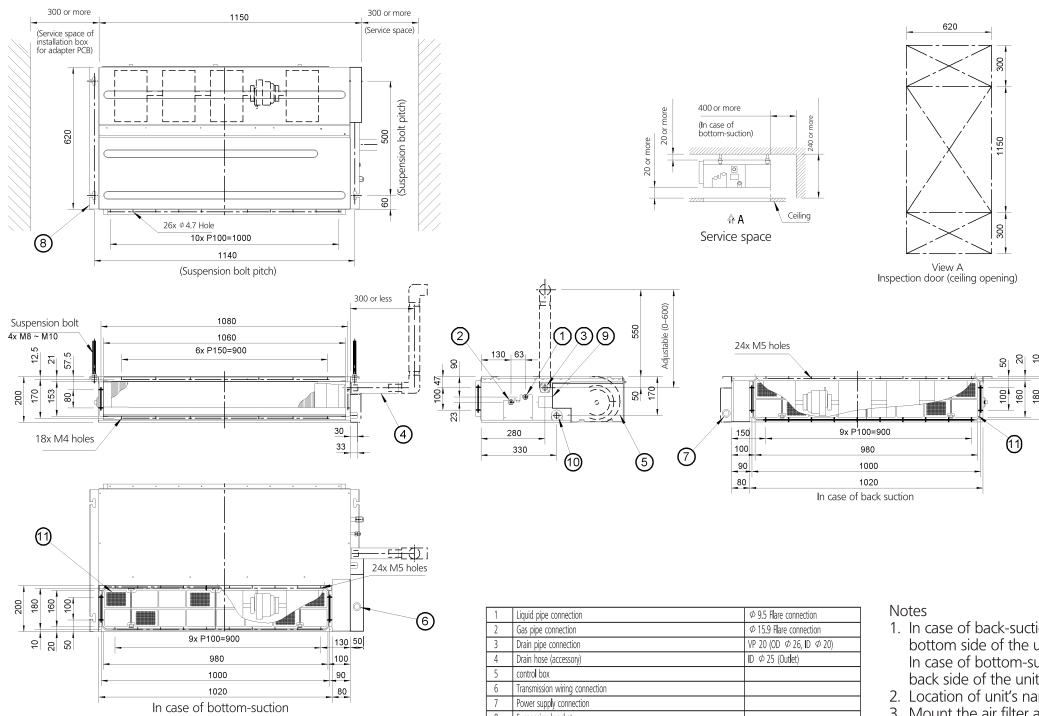
3D081436

6 Dimensional drawings

6 - 1 Dimensional Drawings

6

FXDQ63A



1	Liquid pipe connection	φ 9.5 Ripe connection
2	Gas pipe connection	φ 15.8 Ripe connection
3	Drain pipe connection	VP 20 (D) φ 26, D φ 20
4	Drain hose (accessory)	ID φ 25 (Outlet)
5	control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Inspection cover	
10	Socket for drain	
11	Air filter (accessory)	

Notes

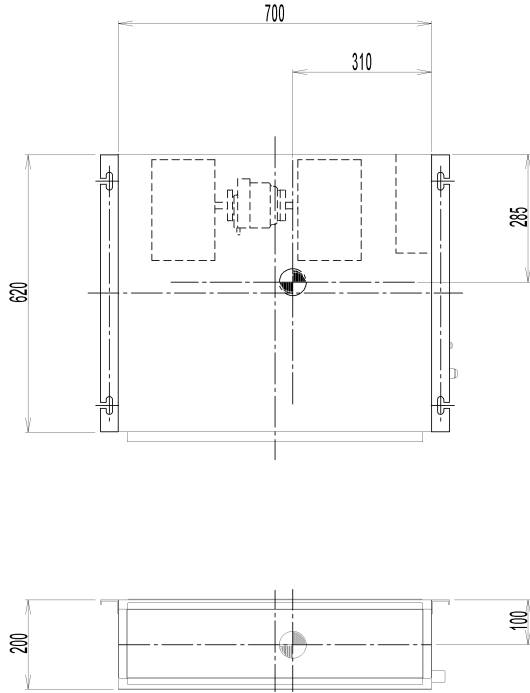
1. In case of back-suction, mount chamber cover to bottom side of the unit.
In case of bottom-suction, mount chamber cover to back side of the unit.
2. Location of unit's name plate: control box cover.
3. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique). It can not be equipped with air filter (accessory) when connecting duct to suction side.

3D081441

7 Centre of gravity

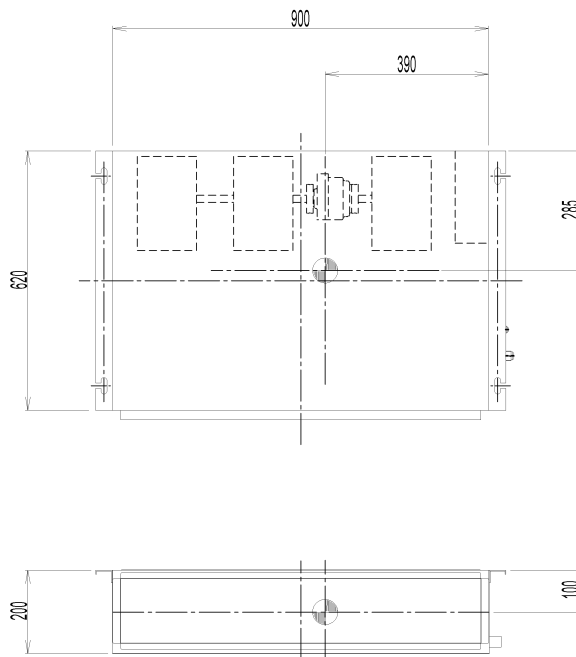
7 - 1 Centre of Gravity

FXDQ15-32A



4D081430

FXDQ40-50A



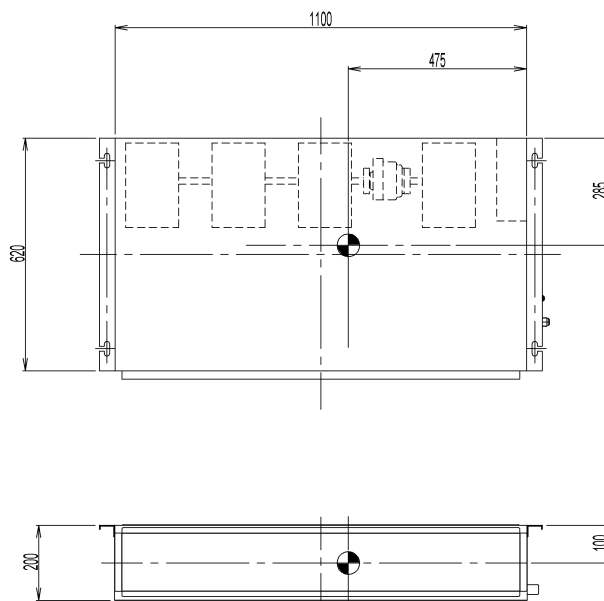
4D081431

7 Centre of gravity

7 - 1 Centre of Gravity

7

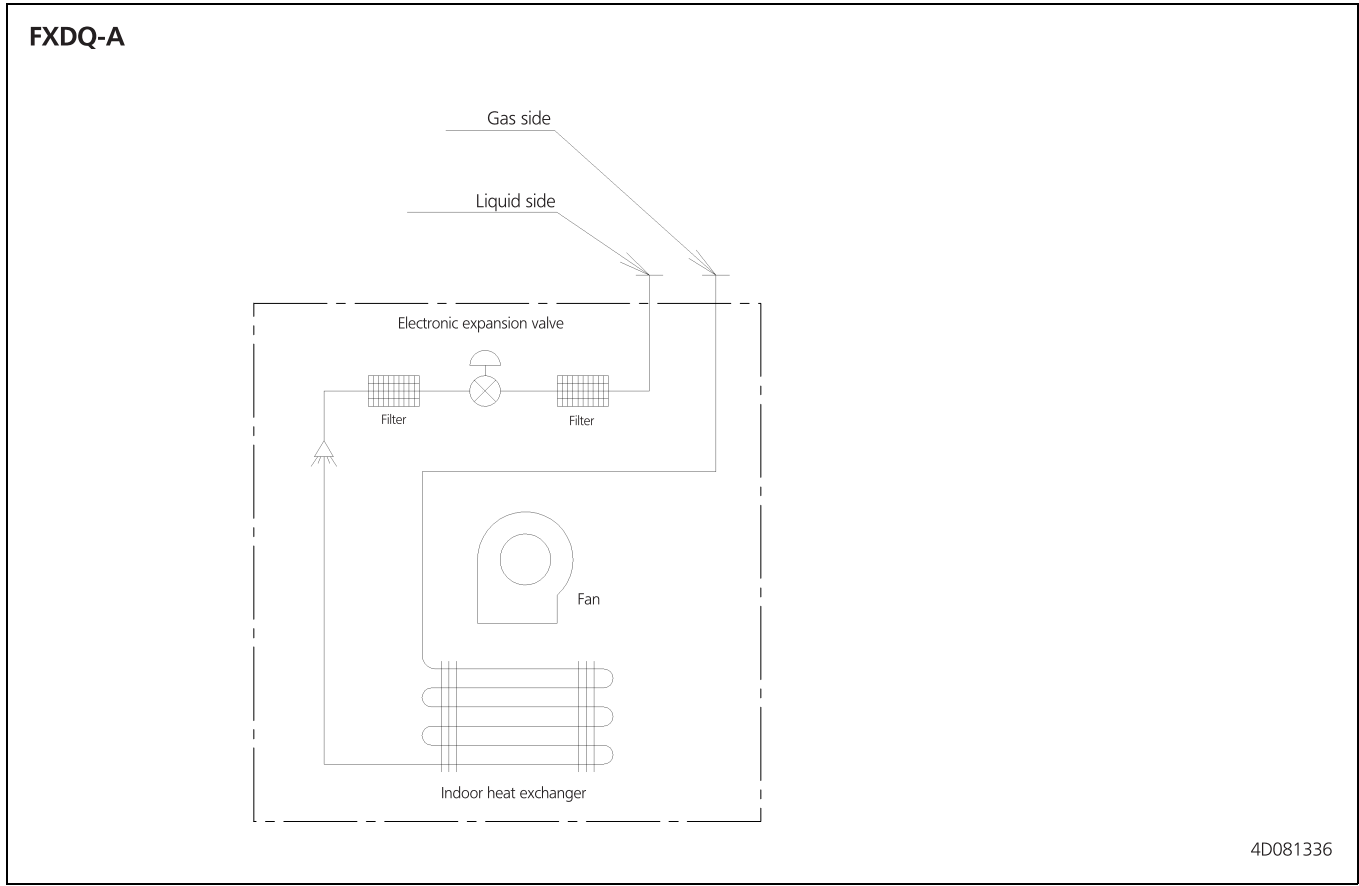
FXDQ63A



4D081433

8 Piping diagrams

8 - 1 Piping Diagrams



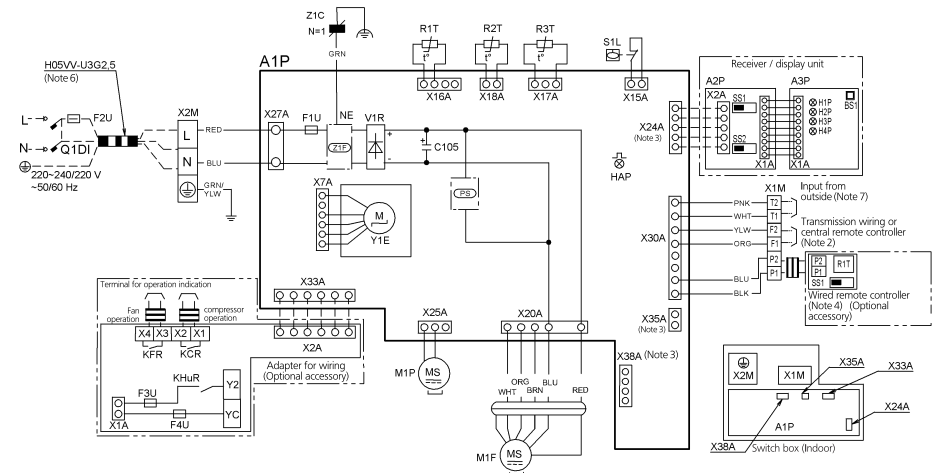
9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

9

FXDQ-A

- Indoor unit**
- A1P : Printed circuit board
 - C105 : Capacitor
 - F2U : Power supply circuit
 - F1U : Fuse (1.3, 15A, 250V)
 - F2U : Field use
 - Z1C : Ferrite core (Noise filter)
 - H4P : Light emitting diode (Service monitor-green)
 - M1F : Motor (Fan)
 - M1P : Motor (Drain pump)
 - OY1D : Earth leak detector
 - R1T : Thermistor (Air)
 - R2T/R3T : Thermistor (Coil)
 - S1L : Float switch
 - V1R : Diode bridge
 - X1M : Terminal block (Control)
 - X2M : Terminal block (Power supply)
 - X2M : Noise filter
- Receiver / display unit**
- A2P : Printed circuit board
 - A3P : Printed circuit board
 - BS1 : Push button (On/Off)
 - H1P : Light emitting diode (on-red)
 - H2P : Light emitting diode (filter sign-red)
 - H3P : Light emitting diode (timer-green)
 - H4P : Light emitting diode (defrost-orange)
 - SS1 : Selector switch (Main/Sub)
 - SS2 : Selector switch (Infrared address set)
- Connector for optional parts**
- X24A : Connector (Infrared remote controller)
 - X33A : Connector (Adapter for wiring)
 - X35A : Connector (Power supply connector)
 - X38A : Connector (Multitenant)
- Adapter for wiring**
- F3U/F4U : Fuse (B), 5A, 250V)
 - KFR, KCR, KHuR : Magnetic relay
- Wired remote controller**
- R1T : Thermistor (air)
 - SS1 : Select switch (MAIN-SUB)



Notes

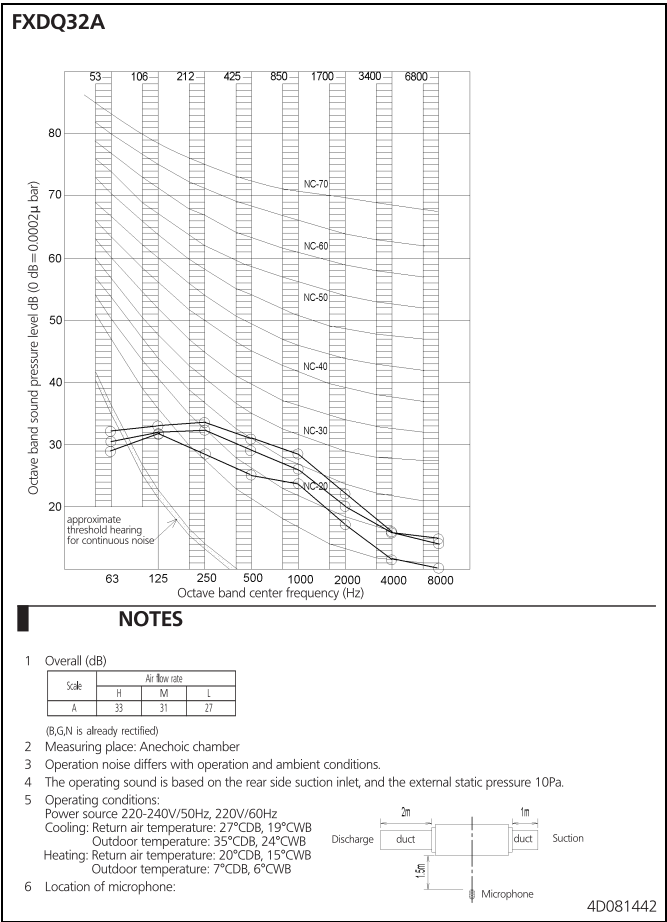
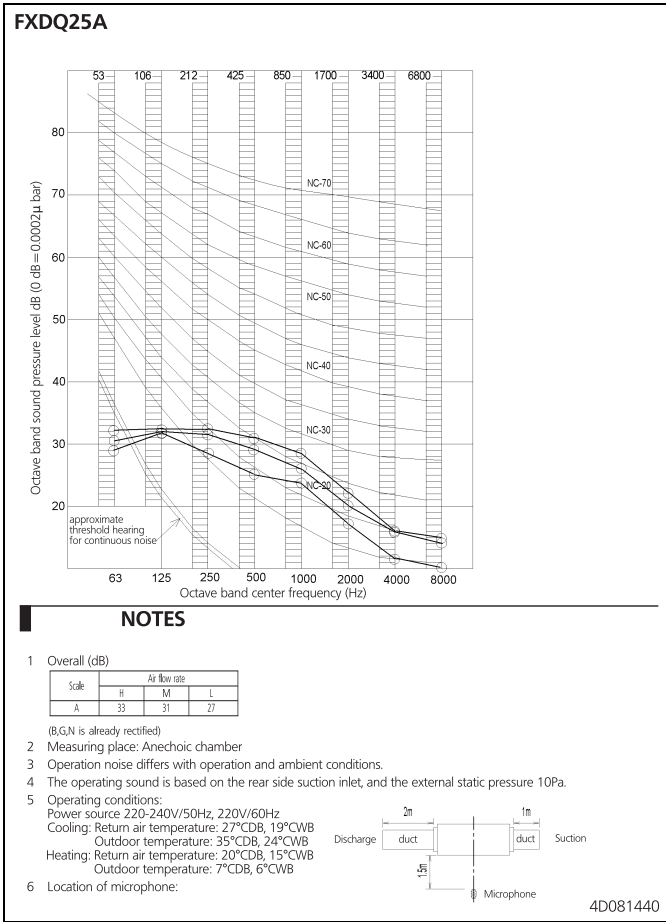
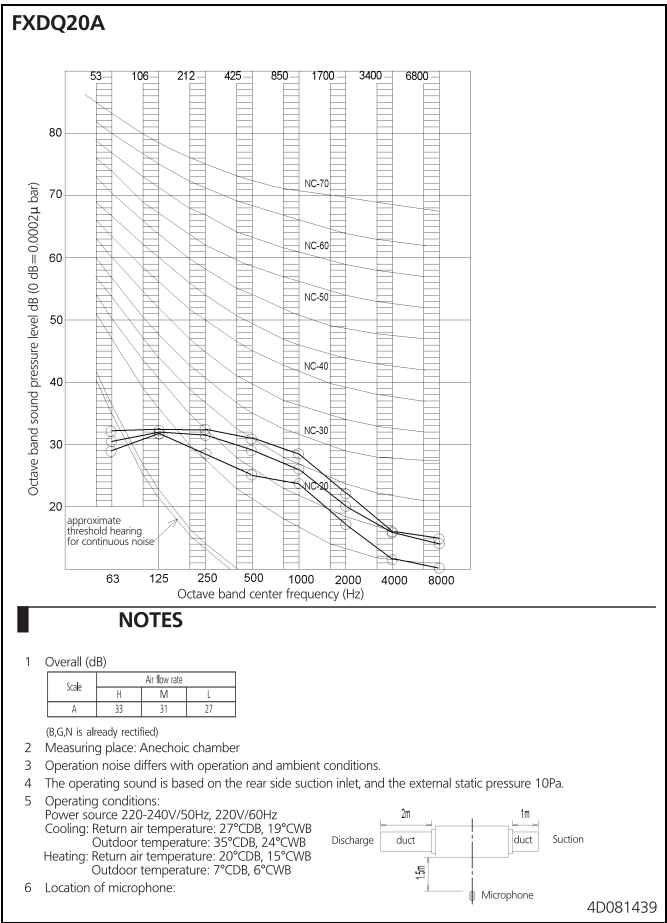
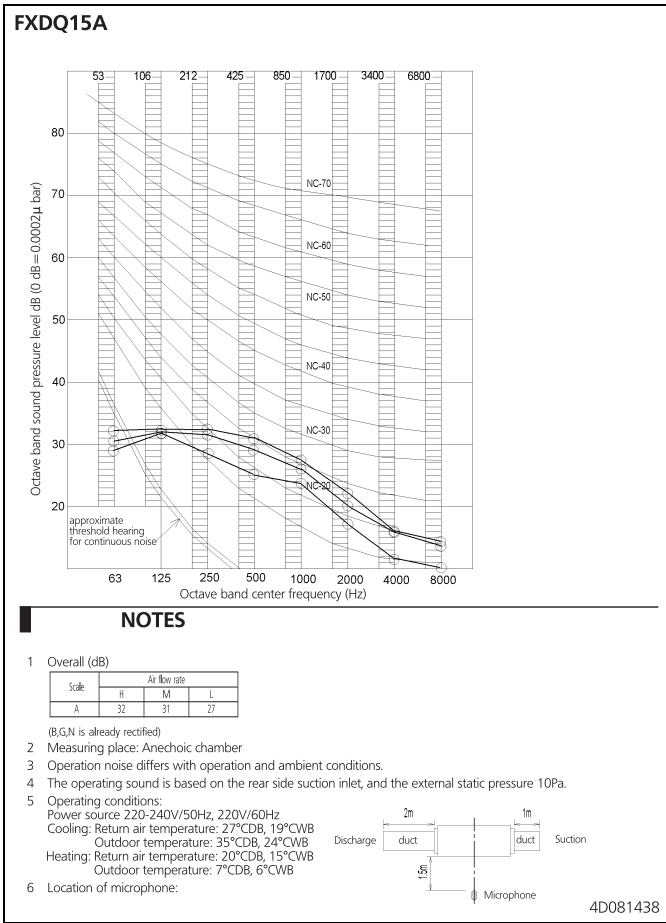
1. [Symbol] : Terminal block [Symbol] : Connector, [Symbol] : Field wiring
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. X24A, X33A, X35A, X38A are connected when the optional accessories are being used.
4. In case of main/sub overchange, see the installation manual attached to remote controller.
5. Symbols show as follows: RED:Red BLK:Black WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink GRY:Gray BLU:Blue
6. Shows only in case of protected pipes, use HO7RN-F in case of no protection.
7. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller, see manual for detail.

- L : Live
- N : Neutral
- : Wire clamp
- ⊕ : Protective earth (screw)

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10 Sound data

10 - 1 Sound Pressure Spectrum

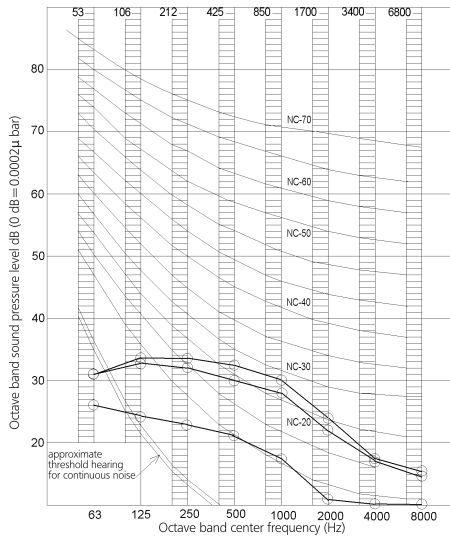


10 Sound data

10 - 1 Sound Pressure Spectrum

10

FXDQ40A

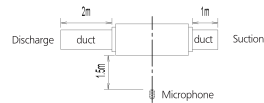


NOTES

1 Overall (dB)

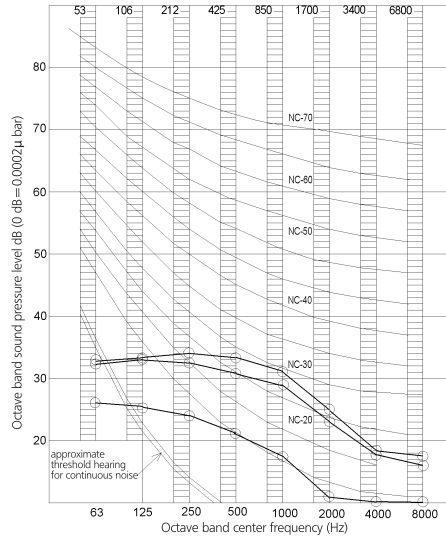
Scale	Air flow rate		
	H	M	L
A	34	32	28

- (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

FXDQ50A

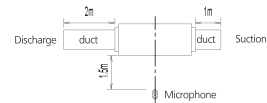


NOTES

1 Overall (dB)

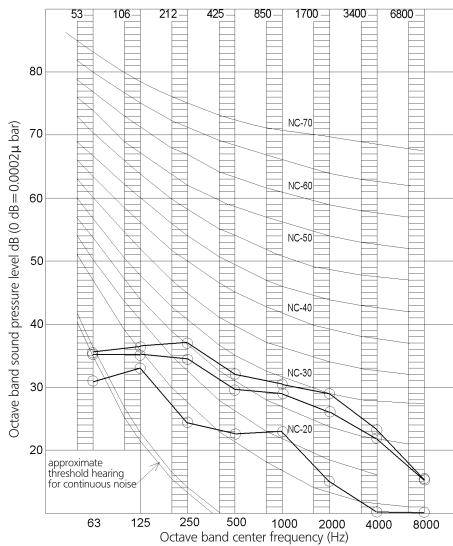
Scale	Air flow rate		
	H	M	L
A	35	33	29

- (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

FXDQ63A

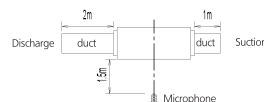


NOTES

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:

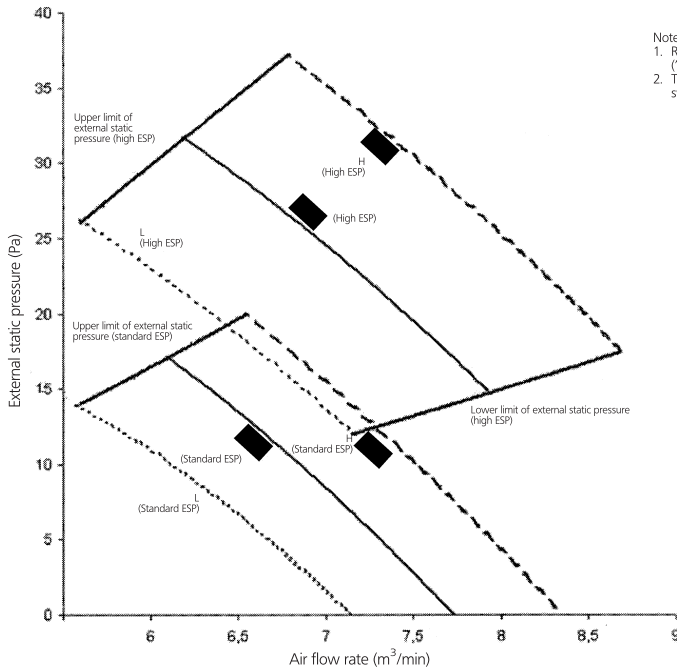


4D081445

11 Fan characteristics

11 - 1 Fan Characteristics

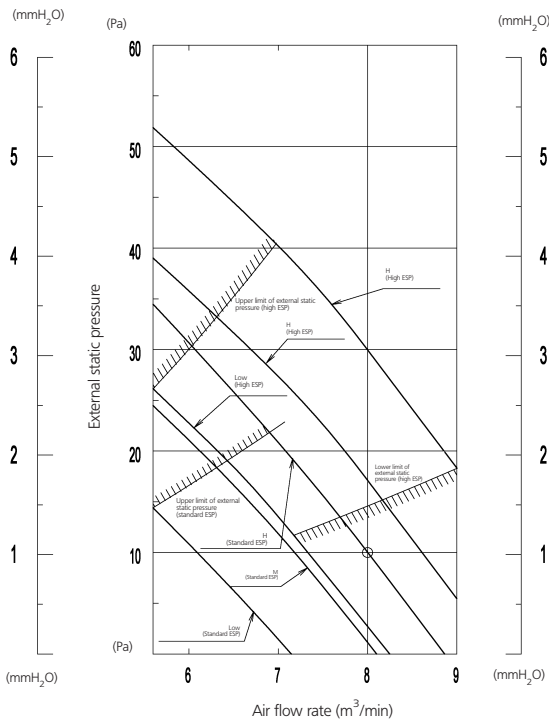
FXDQ15A



- Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
 2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081424

FXDQ20-25A



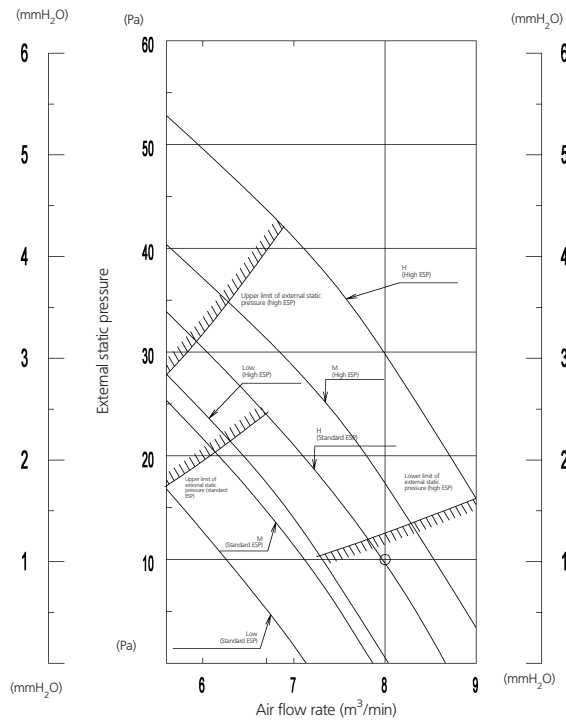
- Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
 2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

4D081434

11 Fan characteristics

11 - 1 Fan Characteristics

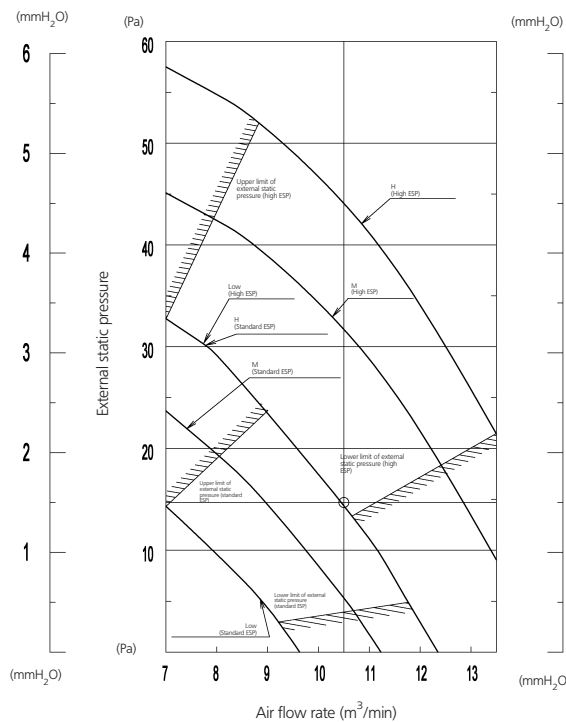
FXDQ32A



- Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
 2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081425

FXDQ40A



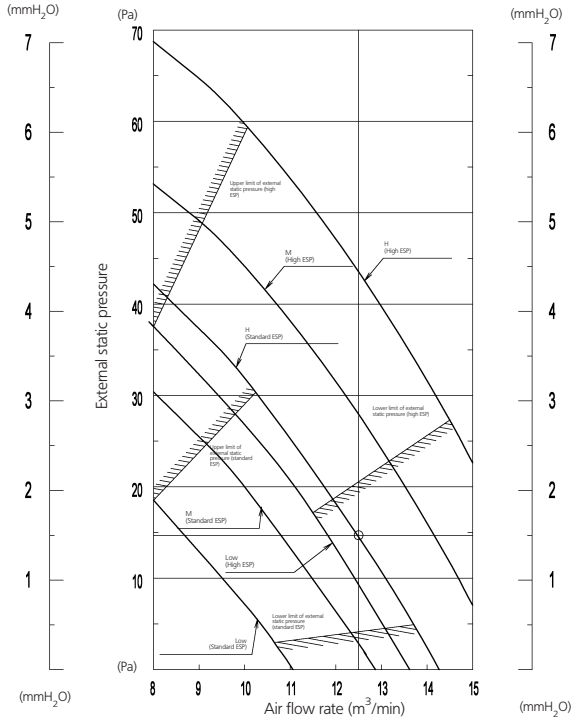
- Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
 2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081426

11 Fan characteristics

11 - 1 Fan Characteristics

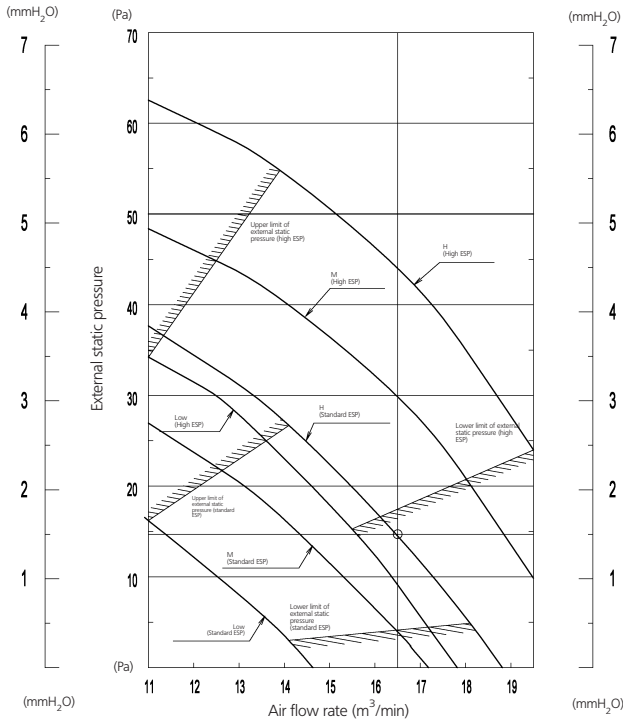
FXDQ50A



- Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW' ('H', 'M' and 'L' for FXDQ-A2VEB model)
 2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081427

FXDQ63A



- Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW' ('H', 'M' and 'L' for FXDQ-A2VEB model)
 2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081429



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