



Air Conditioning Technical Data

Fully flat cassette



EEDEN14-204

FXZQ-A

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FXZQ-A

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1 Features

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Two optional intelligent sensors improve energy efficiency and comfort. The presence sensor adjusts the set point if no one is detected in the room. It also automatically directs air flow away from any person to avoid draught. The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.
- The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- Refurbishing the room? Flexibility to suit every room layout without changing the location of the unit! Via the wired remote controller you can easily control each flap individually and even close the flaps.
- Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required
- Standard drain pump with 850mm lift increases flexibility and installation speed



Inverter



Presence & floor sensor



Home leave operation



Fan only



Draught prevention



Auto cooling-heating changeover



Whisper quiet



Ceiling soiling prevention



Individual flap control



Vertical auto swing



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				FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A	
Cooling capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6	
Heating capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3	
Power input - 50Hz	Cooling	Nom.	kW	0.043			0.045	0.059	0.092	
	Heating	Nom.	kW	0.036			0.038	0.053	0.086	
Dimensions	Unit	Height	mm	260						
		Width	mm	575						
		Depth	mm	575						
	Packed unit	Height	mm	270						
		Width	mm	780						
		Depth	mm	616						
Weight	Unit		kg	15.5			16.5		18.5	
	Packed unit		kg	18.5			19.5		21.5	
Casing	Material			Galvanised steel plate						
Decoration panel	Model			BYFQ60CW						
	Colour			White (N9.5)						
	Dimensions	Height	mm	46						
		Width	mm	620						
		Depth	mm	620						
	Weight			kg						2.8
Decoration panel 2	Model			BYFQ60CS						
	Colour			White (N9.5) + Silver						
	Dimensions	Height	mm	46						
		Width	mm	620						
		Depth	mm	620						
	Weight			kg						2.8
Decoration panel 3	Model			BYFQ60B3W1						
	Colour			White (RAL9010)						
	Dimensions	Height	mm	55						
		Width	mm	700						
		Depth	mm	700						
	Weight			kg						2.7
Heat exchanger	Inside length		mm	1,295				1,248		
	Outside length		mm	1,342						
	Rows	Quantity		2				3		
	Fin pitch		mm	1.2						
	Passes	Quantity		4		5		7		
	Face area		m ²	0.218		0.290		0.300		
	Stages	Quantity		12		16				
	Empty tubeplate hole	Quantity		0						
	Fin	Type		Cross fin coil (multi slit fins and hi-XA tubes)						
	Fan	Type			Turbo fan					
Quantity			1							
Air flow rate - 50Hz		Cooling	High	m ³ /min	8.5	8.7	9	10	11.5	14.5
			Nom.	m ³ /min	7	7.5	8	8.5	9.5	12.5
			Low	m ³ /min	6.5			7	8	10
Heating		High	m ³ /min	8.5	8.7	9	10	11.5	14.5	
		Nom.	m ³ /min	7	7.5	8	8.5	9.5	12.5	
	Low	m ³ /min	6.5			7	8	10		
Fan motor	Model			QTS32D15M						
	Speed	Steps		3						
	Output	High	W	50						
Air filter	Type			Resin net with mold resistance						
Sound power level	Cooling	High	dBA	49	50	51	54	60		

2 Specifications

2

2-1 Technical Specifications				FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A
Sound pressure level	Cooling	High	dBA	31.5	32	33	33.5	37	43
		Nom.	dBA	28	29.5	30		32	40
		Low	dBA	25.5			26	28	33
	Heating	High	dBA	31.5	32	33	33.5	37	43
		Nom.	dBA	28	29.5	30		32	40
		Low	dBA	25.5			26	28	33
Refrigerant	Type			R-410A					
Piping connections	Liquid	Type		Flare connection					
		OD	mm	6.35					
	Gas	Type		Flare connection					
		OD	mm	12.7					
	Drain			VP20 (I.D. 20/O.D. 26)					
	Heat insulation			Foamed polystyrene/polyethylene					
Sound absorbing insulation			Foamed Polyurethane						
Control systems	Infrared remote control			BRC7F530W (white panel) / BRC7EB530 (standard panel) / BRC7F530S (grey panel)					
	Simplified wired remote control for hotel applications			-					
	Wired remote control			BRC1D52 / BRC1E52A/B					

- Standard Accessories : Screws; Quantity : 4;
- Standard Accessories : Operation manual; Quantity : 1;
- Standard Accessories : Drain hose; Quantity : 1;
- Standard Accessories : Paper pattern for installation; Quantity : 1;
- Standard Accessories : Sealing pad; Quantity : 4;
- Standard Accessories : Insulation for fitting; Quantity : 2;
- Standard Accessories : Clamps; Quantity : 7;
- Standard Accessories : Washer for hanger bracket; Quantity : 8;
- Standard Accessories : Installation manual; Quantity : 1;
- Standard Accessories : Metal clamp for drain hose; Quantity : 1;

2-2 Electrical Specifications				FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A
Power supply	Name			VE					
	Phase			1~					
	Frequency		Hz	50					
	Voltage		V	220-240					
Voltage range	Min.		%	10					
	Max.		%	10					
Current - 50Hz	Minimum circuit amps (MCA)		A	0.3		0.4		0.6	
	Maximum fuse amps (MFA)		A	16					
	Full load amps (FLA)		Total	A	0.2		0.3		0.5

Notes

- (1) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB
- (2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB
- (3) Dimensions do not include control box
- (4) The sound power level is an absolute value indicating the power which a sound source generates.
- (5) Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- (6) Maximum allowable voltage range variation between phases is 2%.
- (7) MCA/MFA: MCA = 1.25 x FLA
- (8) MFA ≤ 4 x FLA
- (9) Next lower standard fuse rating minimum 16A
- (10) Select wire size based on the value of MCA
- (11) Instead of a fuse, use a circuit breaker

3 Electrical data

3 - 1 Electrical Data

FXZQ-A								
Model	Units			Power supply		IFM	Input (W)	
	Hz	Volts	Voltage range	MCA	MFA	FLA	Cooling	Heating
FXZQ15A	50	220-240	Max. 264 Min. 198	0.3	16	0.2	43	36
FXZQ20A				0.3	16	0.2	43	36
FXZQ25A				0.3	16	0.2	43	36
FXZQ32A				0.4	16	0.3	45	38
FXZQ40A				0.4	16	0.3	59	53
FXZQ50A				0.6	16	0.5	92	86

Symbols:

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

NOTES

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

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4 Safety device settings

4 - 1 Safety Device Settings

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FXZQ-A

Safety devices		FXZQ-A	
Fuse		250V 3,15A (ON PCB BOARD)	
Fan motor thermal fuse	°C	---	
Fan motor thermal protector	°C	---	
Drain pump fuse	°C	---	

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5 Options

5 - 1 Options

FXZQ-A				
Description	Compatibility			VRV
	BYFQ60B2W1 BYFQ60B3W1	BYFQ60C2W1W	BYFQ60C2W1S	Model name
Decoration panel (Current)	-	-	-	BYFQ60B2W1
Decoration panel (Current)	-	-	-	BYFQ60B3W1
New decoration panel (White)	-	-	-	BYFQ60C2W1W
New decoration panel (Silver)	-	-	-	BYFQ60C2W1S
Sensor kit (White)	NO	YES	NO	BRYQ60A2W (*3)
Sensor kit (Silver)	NO	NO	YES	BRYQ60A2S (*3)
Sealing member of air discharge outlet	YES	YES	YES	BDBHQ44C60
Panel spacer	YES	NO	NO	KDBQ44B60
Replacement long-life filter	YES	YES	YES	KAFQ441BA60
Fresh air intake kit	YES	YES	YES	KDDQ44XA60
Infrared remote controller (H/P)	YES	NO	NO	BRC7EB530W (*1,2)
Infrared remote controller (H/P) (White)	NO	YES	NO	BRC7F530W (*1,2)
Infrared remote controller (H/P) (Silver)	NO	NO	YES	BRC7F530S (*1,2)
Wired remote controller	YES	YES	YES	BRC1D528 (*2)
Wired remote controller	YES	YES	YES	BRC1E52A7 + B7 (*4)
Simplified remote controller (with operation mode selector button)	YES	YES	YES	BRC2E52C (*5)
Simplified remote controller (without operation mode selector button)	YES	YES	YES	BRC3E52C (*5)
Central remote control	YES	YES	YES	DCS302B51
Unified ON/OFF control	YES	YES	YES	DCS301B51
Schedule timer	YES	YES	YES	DST301B51
Wiring adapter for electrical appendices	YES	YES	YES	KRP1B57
Wiring adapter for electrical appendices	YES	YES	YES	KRP2A526
Wiring adapter for electrical appendices	YES	YES	YES	KRP4A53
Wiring adapter (hour meter)	YES	YES	YES	EKRP1B2
Installation box for adaptor PCB	YES	YES	YES	KRP1B101, KRP1BA101
Remote sensor	YES	YES	YES	KRCS01-4B
Option PCB for Multi tenant	YES	YES	YES	DTA114A61
I-touch controller	YES	YES	YES	DCS601CS1
Digital input adaptor	YES	YES	YES	BRP7A51 (*6,7)

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(*1) Sensing function not available
 (*2) Independently controllable flaps function not available
 (*3) Sensor kit option not applicable with RR and RQ models
 (*4) Independently controllable flaps function not available in combination RR and RQ models
 (*5) 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.
 (*6) Only possible in combination with simplified remote control BRC2/3E52C.
 (*7) Requires installation box for adaptor PCB.

6 Capacity tables

6 - 1 Cooling Capacity Tables

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FXZQ-A

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

Unit size	Outdoor°CDB	14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	35.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.4	1.8	1.4	1.8	1.3	1.9	1.2
20	35.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.4	1.6	2.4	1.5
25	35.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.0	1.9	3.1	1.8
32	35.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	3.9	2.3	4.0	2.2
40	35.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.7	3.3	4.9	3.1	5.0	3.0
50	35.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.0	4.0	6.2	3.9

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6 Capacity tables

6 - 2 Heating Capacity Tables

FXZQ-A

Unit size	Outdoor air temp.		Indoor air 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

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6 Capacity tables

6 - 3 Capacity Correction Factor

FXZQ-A

	Indoor air temperature	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
		20.0 °CDB	23.0 °CDB	26.0 °CDB	27.0 °CDB	28.0 °CDB	30.0 °CDB	32.0 °CDB
FXZQ15A	TC	0.666	0.738	0.793	0.815	0.833	0.863	0.885
	SHF	1.209	1.151	1.105	1.085	1.069	1.047	1.032
FXZQ20A	TC	0.666	0.738	0.793	0.815	0.833	0.863	0.885
	SHF	1.209	1.151	1.105	1.085	1.069	1.047	1.032
FXZQ25A	TC	0.666	0.738	0.793	0.815	0.833	0.863	0.885
	SHF	1.209	1.151	1.105	1.085	1.069	1.047	1.032
FXZQ32A	TC	0.659	0.735	0.792	0.814	0.832	0.862	0.885
	SHF	1.220	1.151	1.103	1.083	1.068	1.045	1.030
FXZQ40A	TC	0.673	0.741	0.796	0.817	0.836	0.865	0.888
	SHF	1.202	1.150	1.105	1.085	1.070	1.047	1.033
FXZQ50A	TC	0.669	0.742	0.797	0.818	0.836	0.865	0.887
	SHF	1.204	1.144	1.099	1.081	1.066	1.044	1.030

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

How to use this table:

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

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

When selecting units for mixed (RA DX indoor units + VRV DX indoor unit),

- Correction C_c corresponds with Te = 9°C TC ratio value for each type of Indoor unit, depending on indoor ambient design temperature X/Y °CDB/°CWB
- Correction C_c corresponds with Te = 9°C TC ratio value for each type of indoor unit, depending on indoor ambient temperature 29/19 °CDB/°CWB

So verwenden Sie diese Tabelle:

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

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

Bei Auswahl gemischter Geräte (RA DX-Innengerät + VRV DX-Innengerät),

- Korrektur C_c entspricht dem GL-Verhältniswert für Te = 9 °C für jeden Innengerätetyp, in Abhängigkeit von der Innen-Entwurfstemperatur X/Y °C TK/°C FK
- Korrektur C_c entspricht dem GL-Verhältniswert für Te = 9 °C für jeden Innengerätetyp, in Abhängigkeit von der Innentemperatur 29/19 °C TK/°C FK

Πως θα χρησιμοποιήσετε αυτό τον πίνακα:

Απόδοση: Συνολική απόδοση για λειτουργία υψηλής ευαισθησίας = Συνολική απόδοση για λόγο X TC πίνακα κανονικής απόδοσης.

SHF: SHF για λειτουργία υψηλής ευαισθησίας = SHF για λόγο X SHF πίνακα κανονικής απόδοσης. Στην περίπτωση που το SHF είναι μεγαλύτερο από 1, το SHF είναι "1"

Κατά την επιλογή μονάδων για συνδυασμό (εσωτερικές μονάδες RA DX + εσωτερική μονάδα VRV DX),

- Το C_c διόρθωσης αντιστοιχεί σε Te = 9°C TC τιμή λόγου για κάθε τύπο εσωτερικής μονάδας, ανάλογα με την εσωτερική θερμοκρασία σχεδίου περιβάλλοντος X/Y °CDB/°CWB
- Το C_c διόρθωσης αντιστοιχεί σε Te = 9°C TC τιμή λόγου για κάθε τύπο εσωτερικής μονάδας, ανάλογα με την εσωτερική θερμοκρασία περιβάλλοντος 29/19 °CDB/°CWB

Cómo utilizar esta tabla:

Capacidad: capacidad total para el modo sensible alto = capacidad total para relación TC de tabla X de capacidad normal.

SHF: SHF para modo sensible alto = SHF para relación SHF de tabla X de capacidad normal.

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

Si se seleccionan unidades combinadas (Unidades interiores DX RA + unidades interiores DX VRV),

- La corrección C_c corresponde a Te = 9°C valor de relación TC para cada tipo de unidad interior, en función de la temperatura de diseño ambiente interior X/Y °CBS/°CBH
- La corrección C_c corresponde a Te = 9°C valor de relación TC para cada tipo de unidad interior, en función de la temperatura ambiente interior 29/19 °CBS/°CBH

Comment utiliser ce tableau :

Puissance : Puissance totale pour le mode haute sensibilité = Puissance totale indiquée dans le tableau de puissance normale X rapport PT.

FCS : FCS pour le mode haute sensibilité =

FCS indiqué dans le tableau de puissance normale X rapport FCS.

Si le FCS est supérieur à 1, le FCS correspond à « 1 »

Lors de la sélection d'unités pour une installation mixte (unités intérieures DX RA + unité intérieure DX VRV),

- La correction C_c correspond à Te = 9 °C / valeur de rapport PT pour chaque type d'unité intérieure, pour une température ambiante intérieure de calcul de X/Y °CBS/°CBH
- La correction C_c correspond à Te = 9 °C / valeur de rapport PT pour chaque type d'unité intérieure, pour une température ambiante intérieure de 29/19 °CBS/°CBH

Come utilizzare questa tabella

Capacità: Capacità totale per modalità ad alta capacità sensibile = Capacità totale per tabella capacità normali X rapporto TC.

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

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

Quando si selezionano unità combinate (unità interna ad espansione diretta RA+ unità interna ad espansione diretta VRV),

- La correzione C_c corrisponde a Te = 9°C valore rapporto TC per ogni tipo di unità interna, in base alla temperatura interna di progetto X/Y °CBS/°CBU
- La correzione C_c corrisponde a Te = 9°C valore rapporto TC per ogni tipo di unità interna, in base alla temperatura interna di progetto 29/19 °CBS/°CBU

Hoe deze tabel gebruiken:

Vermogen: totaal vermogen voor High Sensible-modus = totaal vermogen voor tabel normaal vermogen x ratio TV.

SHF: SHF voor High Sensible-modus = SHF voor tabel normaal vermogen x ratio SHF.

Indien SHF groter is dan 1, is SHF "1"

Bij het selecteren van units voor gemengd gebruik (RA DX-binnenunits + VRV DX-binnenunits),

- Correctie C_c komt overeen met ratiowaarde Te = 9°C TC voor elk type binnenunit, afhankelijk van de ontwerptemperatuur van de binnenunit X/Y °CDB/°CNB
- Correctie C_c komt overeen met ratiowaarde Te = 9°C TC voor elk type binnenunit, afhankelijk van de omgevingstemperatuur van de binnenunit 29/19 °CDB/°CNB

Как пользоваться этой таблицей:

Производительность: Суммарная мощность для режима высокой производительности по сухому теплу = Суммарная мощность по таблице обычной мощности X коэффициент TC.

SHF: SHF для режима высокой производительности по сухому теплу =

SHF по таблице обычной мощности X коэффициент SHF.

Если SHF больше 1, принять SHF равным 1

При выборе блоков для смешанных установок (внутренние блоки RA DX + внутренние блоки VRV DX):

- Корректировка C_c соответствует значению коэффициента TC Te = 9°C для каждого типа внутренних блоков, в зависимости от расчетной температуры в помещении X/Y °C сух.т./°C вл.т.
- Корректировка C_c соответствует значению коэффициента TC Te = 9°C для каждого типа внутренних блоков, в зависимости от температуры в помещении 29/19 °C сух.т./°C вл.т.

Bu tablo nasıl kullanılır:

Kapasite: Yüksek hassasiyet modu toplam kapasitesi = Normal kapasite tablosu için toplam kapasite X TC oranı.

SHF: Yüksek hassasiyet modu için SHF = Normal kapasite tablosu için SHF X SHF oranı.

SHF, 1'den büyük ise SHF "1"dir

Karışık kombinasyonlar (RA DX iç üniteler + VRV DX iç üniteler) için ünite seçimi yapılırken,

- C_c düzeltme faktörü, X/Y °C KT/°C YT iç ortam tasarım basıncına bağlı olarak her bir iç ünite tipi için Te = 9°C TC oranına karşılık gelir
- C_c düzeltme faktörü, 29/19 °C KT/°C YT iç ortam tasarım basıncına bağlı olarak her bir iç ünite tipi için Te = 9°C TC oranına karşılık gelir

6 Capacity tables

6 - 3 Capacity Correction Factor

FXZQ-A

		Capacity correction factor Te = 11°C						
		14.0 °CWB 20.0 °CDB	16.0 °CWB 23.0 °CDB	18.0 °CWB 26.0 °CDB	19.0 °CWB 27.0 °CDB	20.0 °CWB 28.0 °CDB	22.0 °CWB 30.0 °CDB	24.0 °CWB 32.0 °CDB
FXZQ15A	TC	0.546	0.569	0.639	0.676	0.708	0.759	0.799
	SHF	1.209	1.297	1.235	1.186	1.150	1.099	1.066
FXZQ20A	TC	0.546	0.569	0.639	0.676	0.708	0.759	0.799
	SHF	1.209	1.297	1.235	1.186	1.150	1.099	1.066
FXZQ25A	TC	0.546	0.569	0.639	0.676	0.708	0.759	0.799
	SHF	1.209	1.297	1.235	1.186	1.150	1.099	1.066
FXZQ32A	TC	0.540	0.561	0.637	0.675	0.707	0.759	0.798
	SHF	1.220	1.310	1.233	1.183	1.146	1.096	1.063
FXZQ40A	TC	0.552	0.576	0.643	0.680	0.712	0.763	0.803
	SHF	1.202	1.289	1.234	1.186	1.150	1.099	1.067
FXZQ50A	TC	0.549	0.573	0.645	0.681	0.712	0.763	0.802
	SHF	1.204	1.289	1.222	1.176	1.142	1.093	1.062

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

How to use this table - So verwenden Sie diese Tabelle - Πώς θα χρησιμοποιήσετε αυτό τον πίνακα - Cómo utilizar esta tabla - Utilisation de ce tableau - Come utilizzare questa tabella - Gebruik van deze tabel - Как пользоваться этой таблицей - Bu tablo nasıl kullanılmalı?:

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.

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

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. охлуждения = 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 .

Capacidad sensible (FCS): SHF para el modo de alta sensibilidad = SHF para la tabla de capacidad normal X relación SHF.

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.

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

Gevoeligheidscapaciteit (WGF (warmtegevoelsfactor)– 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. охлуждения = 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

7 Dimensional drawings

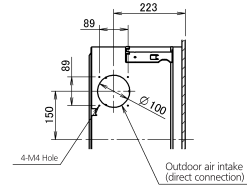
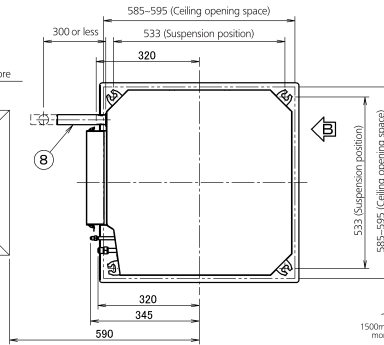
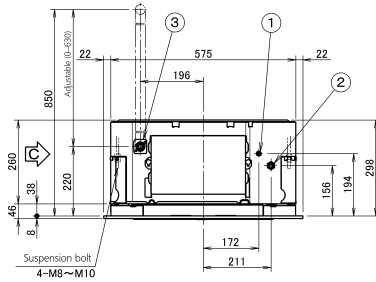
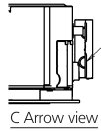
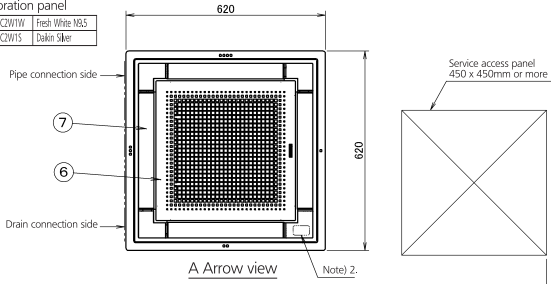
7 - 1 Dimensional Drawings

7

FXZQ-A

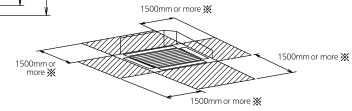
• Decoration panel

BYR60C3WV	Fresh White M35
BYR60C3WS	Dark Silver



B Arrow view

• Required space



※ When the discharge grill is closed, the required space is 200mm or more

1	Liquid pipe connection	φ 6.4 Flare connection
2	Gas pipe connection	φ 12.7 Flare connection
3	Drain pipe connection	VP20 (OD, φ 28)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge grille	
7	suction grill	
8	Drain hose (accessory)	LD, φ 25 (OD/ID)

Note:

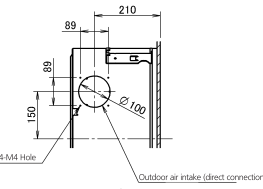
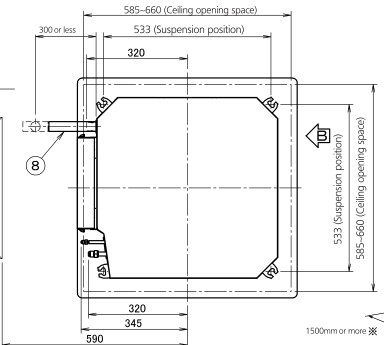
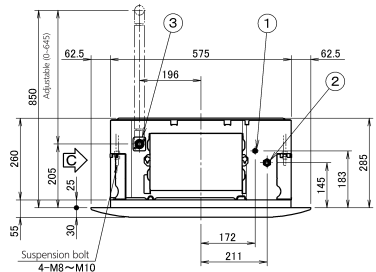
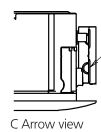
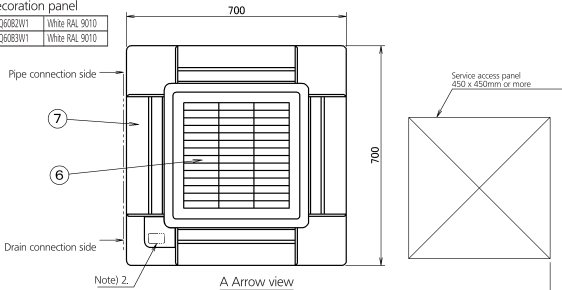
1. Sticking location for manufacturer's label
 Manufacturer's label for indoor unit: on the bell mouth inside suction grille.
 Manufacturer's label for decoration panel: on the inner frame inside suction grille.
2. In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more glasswool or polyethylene form) is required.
4. Though the installation is acceptable up to maximum of 595mm square ceiling opening. Keep the clearance of 10mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

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FXZQ-A

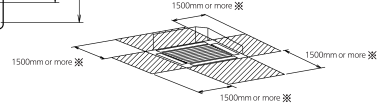
• Decoration panel

BYT60B3WV	White RAL 9010
BYT60B3WS	White RAL 9010



B Arrow view

• Required space



※ When the discharge grill is closed, the required space is 200mm or more

1	Liquid pipe connection	φ 6.4 Flare connection
2	Gas pipe connection	φ 12.7 Flare connection
3	Drain pipe connection	VP20 (OD, φ 28)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge grille	
7	suction grill	
8	Drain hose (accessory)	LD, φ 25 (OD/ID)

Note:

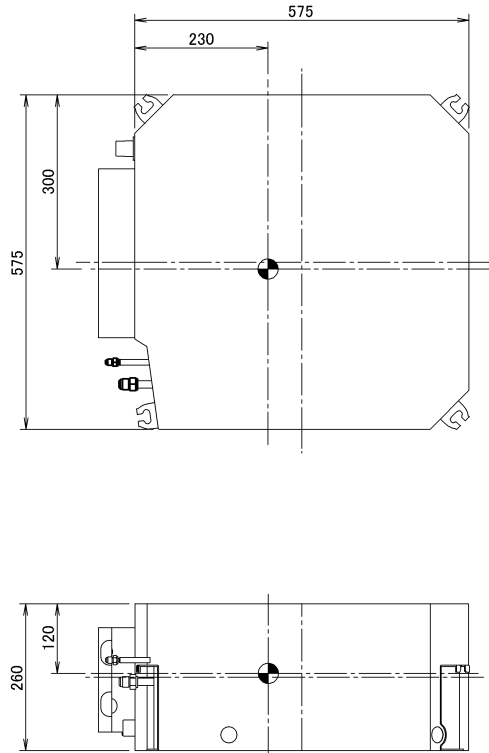
1. Sticking location for manufacturer's label
 Manufacturer's label for indoor unit: on the bell mouth inside suction grille.
 Manufacturer's label for decoration panel: on the inner frame inside suction grille.
2. In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation an additional insulation (thickness 10mm or more glasswool or polyethylene form) is required.
4. Though the installation is acceptable up to maximum of 660mm square ceiling opening, keep the clearance of 45mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

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8 Centre of gravity

8 - 1 Centre of Gravity

FXZQ-A

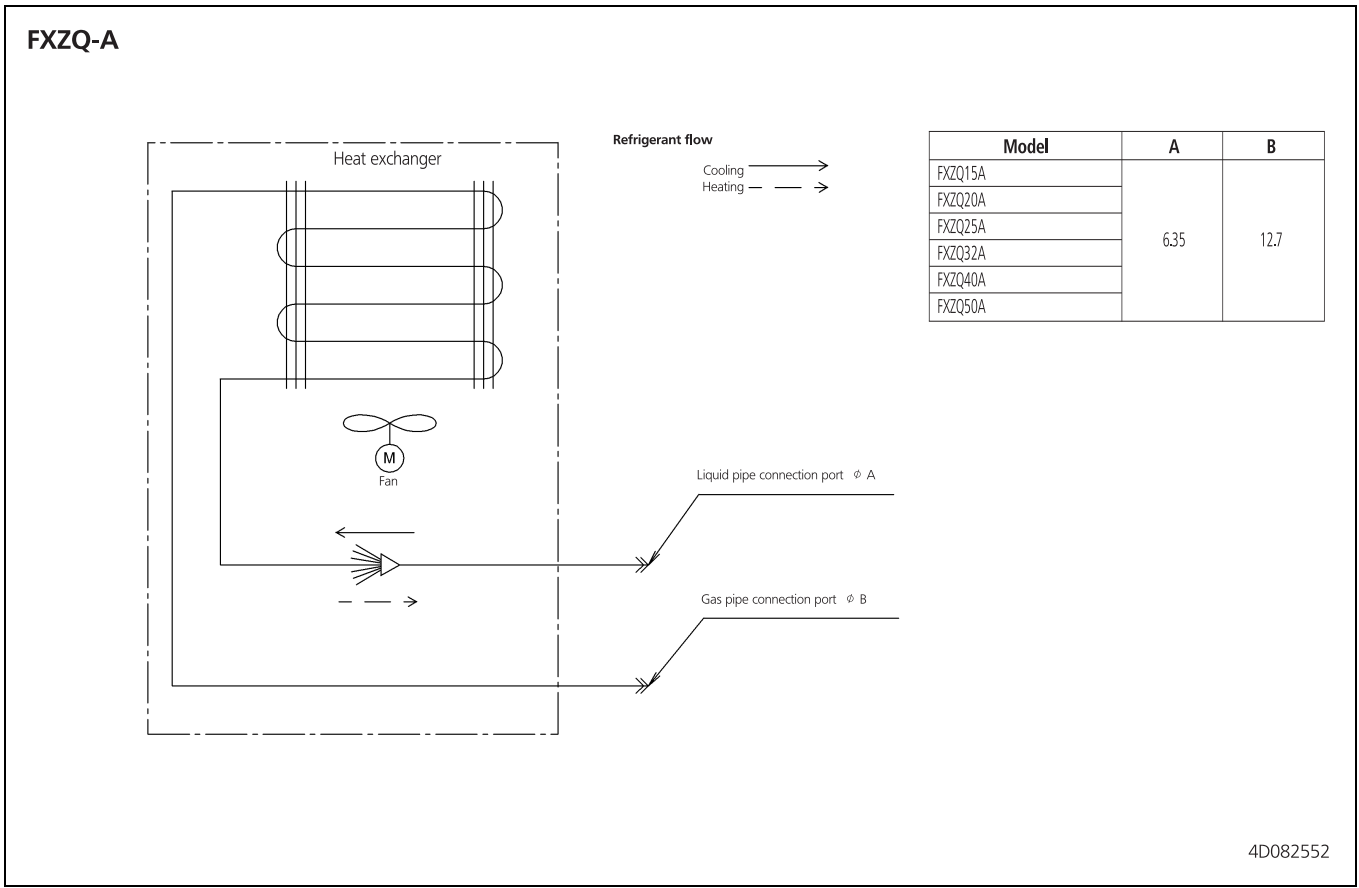


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9 Piping diagrams

9 - 1 Piping Diagrams

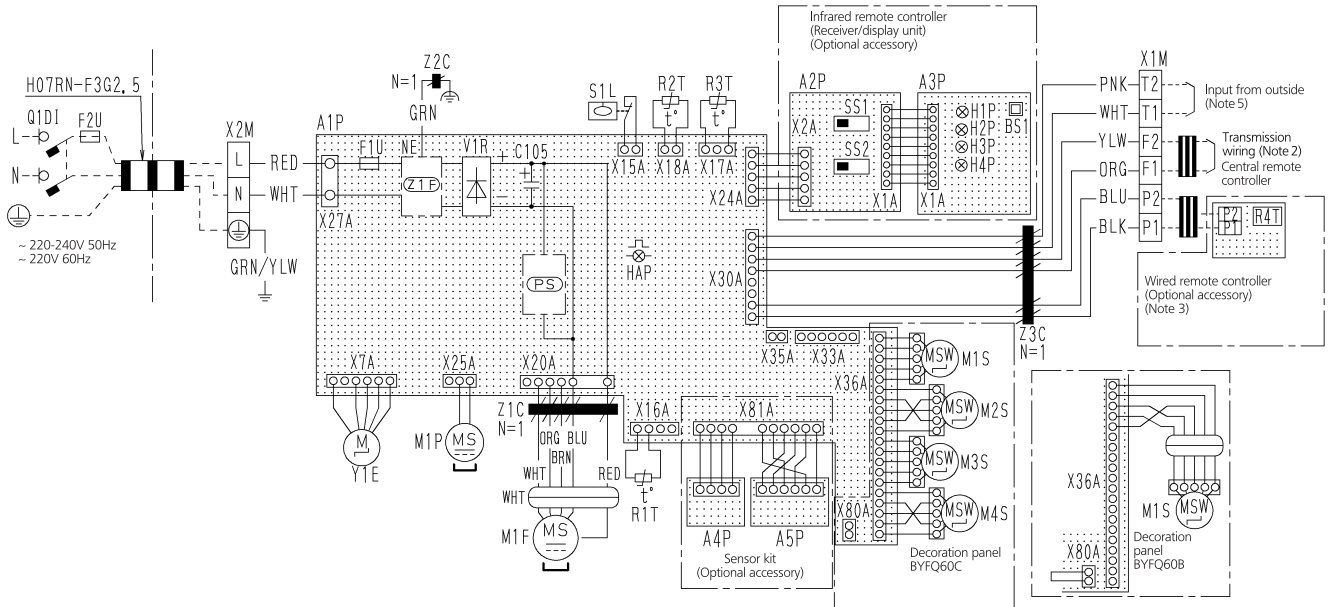
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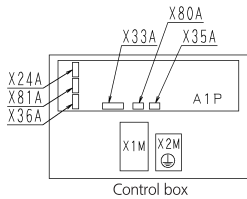
10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXZQ-A



Indoor unit	
A1P	Printed circuit board
C105	Capacitor (M1F)
F1U	Fuse (T, 3.15A, 250V)
HAP	Flashing lamp (service monitor-green)
M1F	Fan motor
M1P	Drain pump motor
MS - MS5	Swing motor
R1T	Thermistor (air)
R2T	Thermistor (coil)
R3T	
S1L	Float switch
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Y1E	Electronic expansion valve
Z1F	Noise filter
Z1C	Ferrite core
Z2C	Ferrite core
Z3C	Ferrite core
PS	Switching power supply



Infrared remote controller (Receiver/display unit)	
A2P	Printed circuit board
A3P	Printed circuit board
BS1	Push button switch on PCB
H1P	Pilot lamp (on-red)
H2P	Pilot lamp (timer-green)
H3P	Pilot lamp (filter sign-red)
H4P	Pilot lamp (defrost-orange)
SS1	Selector switch (main/sub)
SS2	Selector switch (infrared address set)

Sensor kit	
A4P	Printed circuit board
A5P	Printed circuit board
Wired remote controller	
R4T	Thermistor (air)
Connector for optional parts	
X24A	Connector (Infrared remote controller)
X33A	Connector (adapter for wiring)
X35A	Connector (Power supply for adapter)
X81A	Connector (Sensor kit)
Power supply	
F2U	Fuse
Q1DI	Earth leak detector

Notes

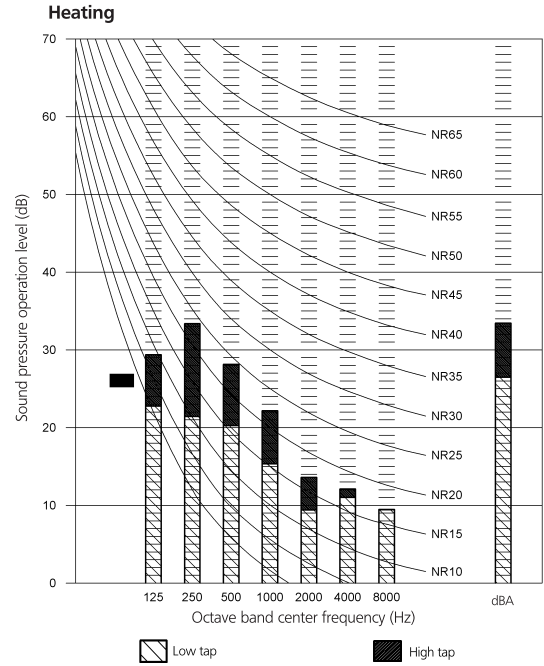
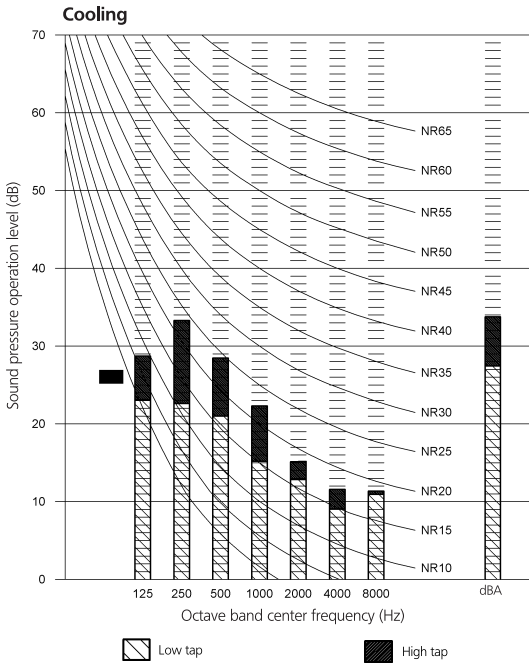
- : Terminal block, □□□, □□ : Connector, -□□□ : Field wiring
- In case of using central remote controller, connect it to the unit in accordance with the attached installation manual.
- In case of main/sub changeover, see the installation manual attached to remote controller.
- Symbols show as follows: BLK:Black RED:Red BLU:Blue WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink.
- When connecting the input wiring from outside, forced off or on/off control operation can be selected by the remote controller See installation manual for more details.

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11 Sound data

11 - 1 Sound Pressure Spectrum

FXZQ15-20A



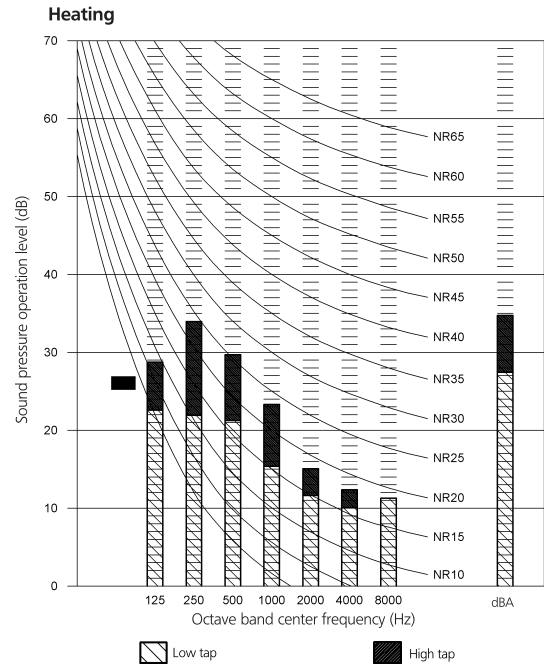
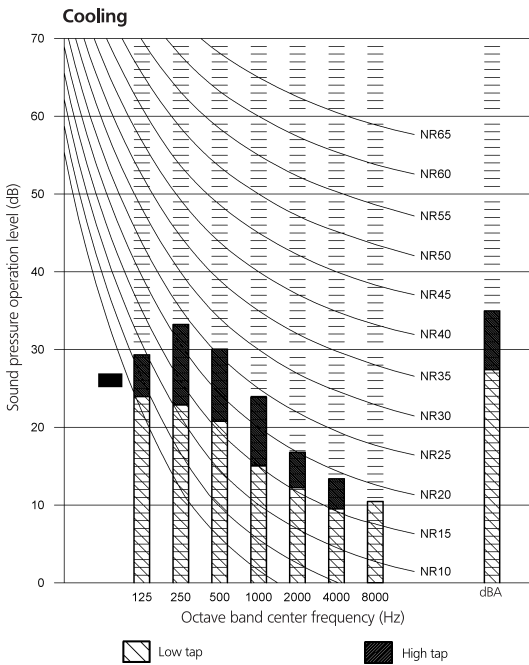
NOTES

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

High tap
49 dB

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FXZQ25A



NOTES

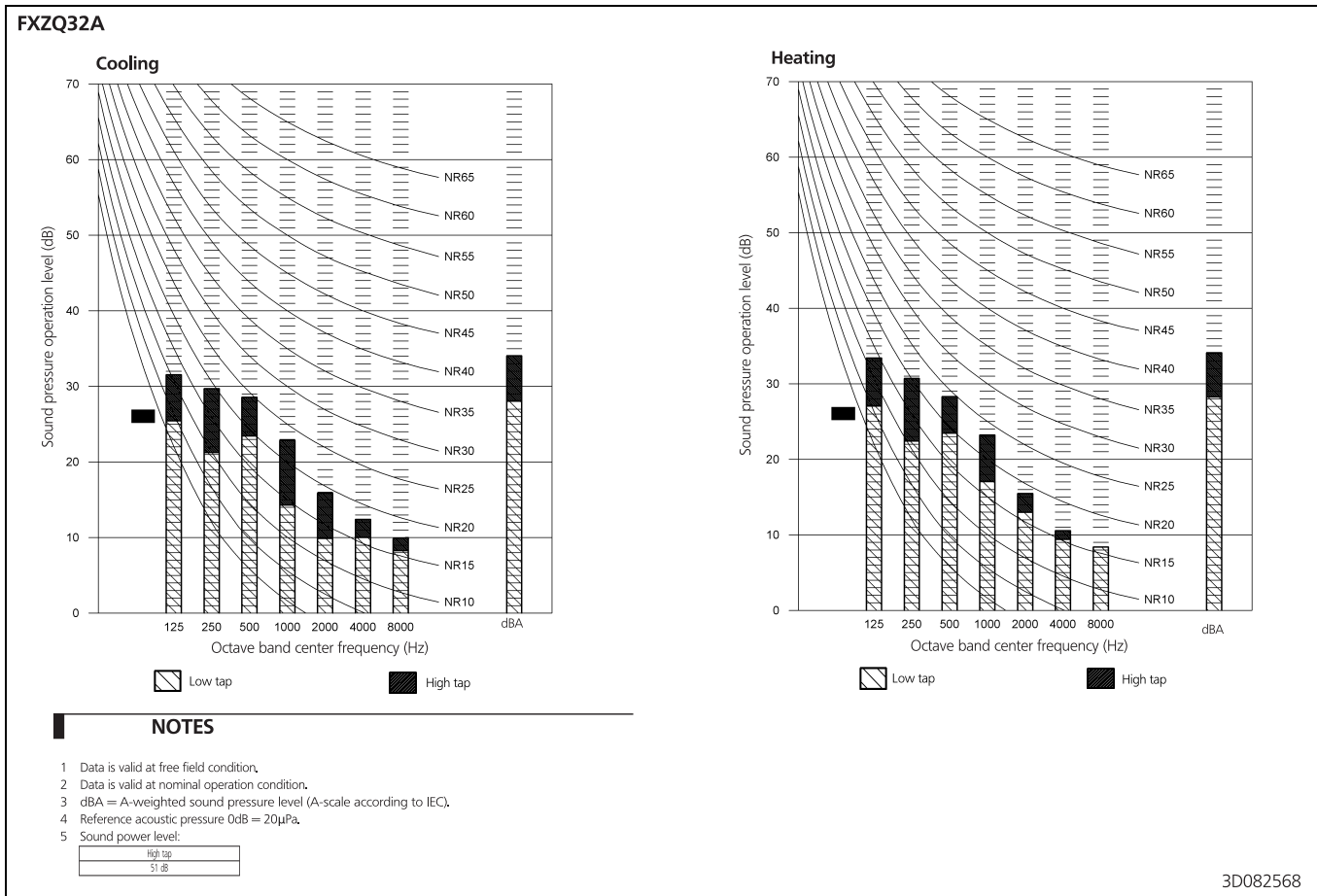
- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressure 0dB = 20μPa.
- 5 Sound power level:

High tap
50 dB

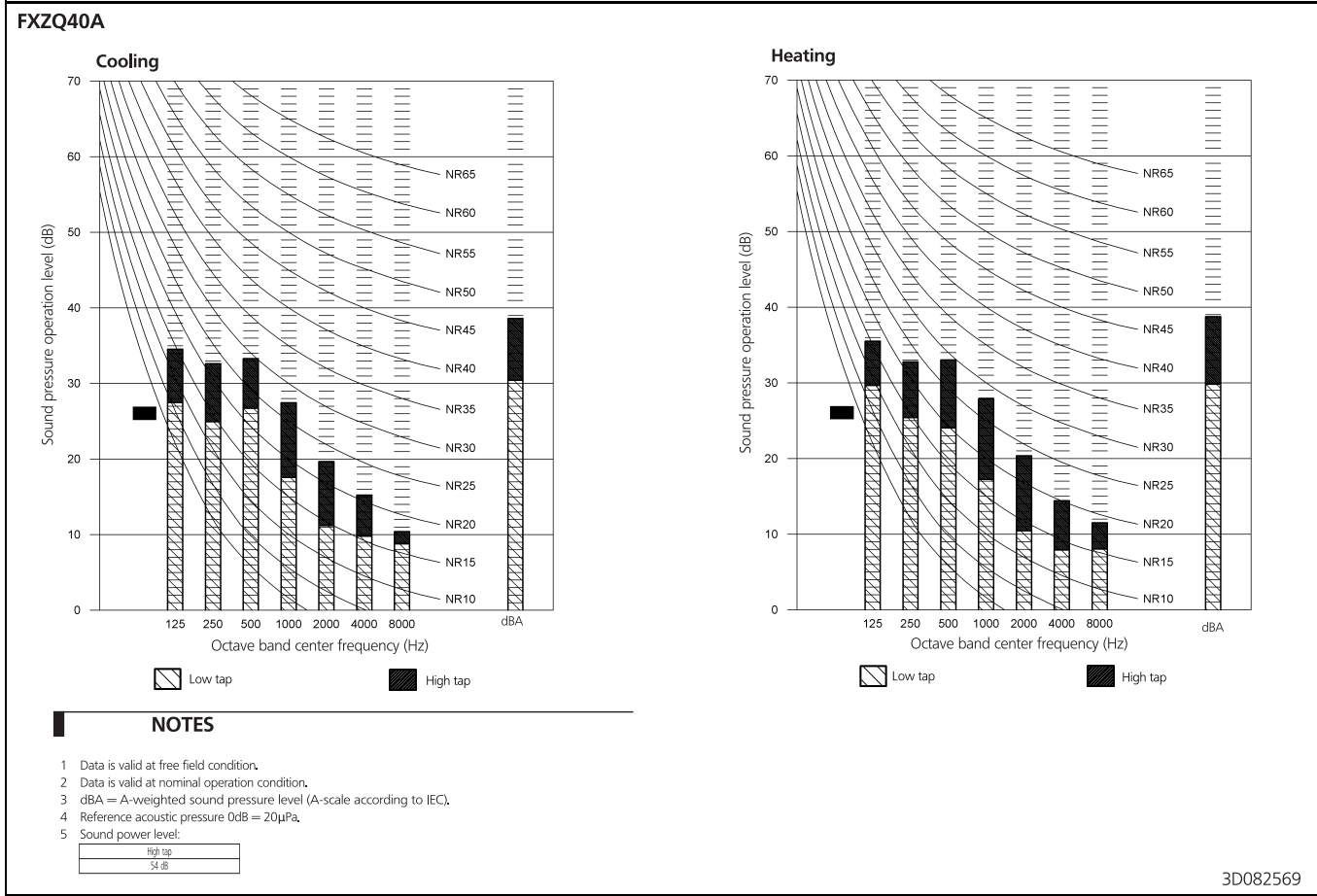
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11 Sound data

11 - 1 Sound Pressure Spectrum



3D082568



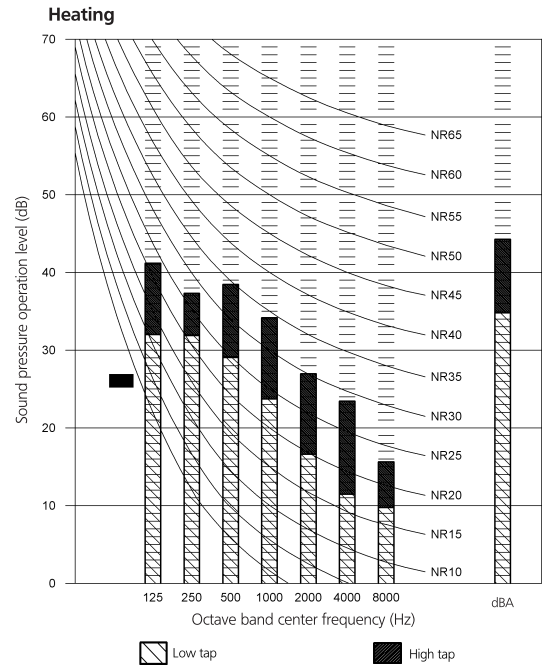
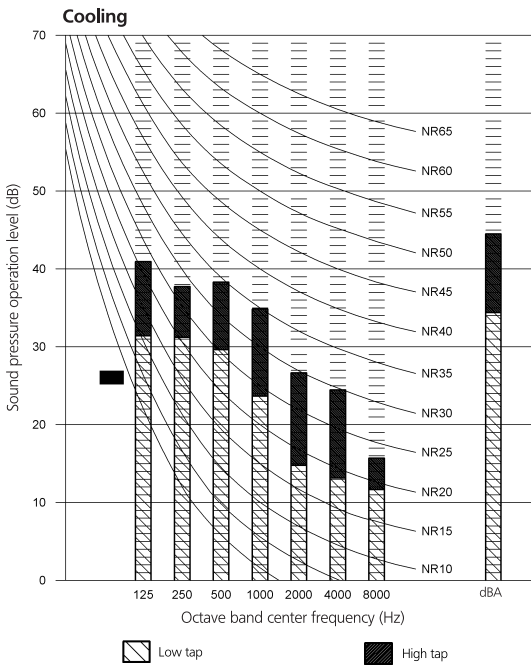
3D082569

11 Sound data

11 - 1 Sound Pressure Spectrum

11

FXZQ50A



NOTES

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

High tap
60 dB

3D082570



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