DAIKIN

Air Conditioning

Technical Data

4-way blow ceiling suspended unit

EEDEN13-204

FXUQ-A

TABLE OF CONTENTS

FXUQ-A

1 Features

- Ideal solution for commercial spaces with narrow or no false ceilings
- Separate BEVQ box is no longer needed: the expansion valve is integrated in the indoor unit.
- User friendly remote control with contemporary design
- Low energy consumption thanks to DC fan motor and drain pump
- Easy to use: all main functions directly accessible
- Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- Easy setup: clear graphical user interface for advanced menu settings
- Improved comfort thanks to automatic air flow adjustment to required load
- Optimise your air conditioning system by activating a series of energy saving functions (temperature range limit, setback function, off timer, …)
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Keep track of your energy consumption with the kWh indication showing an indicative electricity consumption
- Can be installed in both new and existing buildings
- Set up to 3 independent schedules, so the user can easily change the schedule himself throughout the year (e.g. summer, winter, mid-season)
- Same outlook for all models (unified dimensions)
- Real time clock with auto update to daylight saving time
- Supports multiple languages (English, German, Dutch, Spanish, Italian, Portuguese, French, Greek, Russian, Turkish and Polish)
- Air can be discharged in 5 different angles between 0 and 60º
- Possibility to individually restrict menu functions
- Air flow distribution for ceiling heights up to 3.5m without capacity loss
- When a power failure occurs all settings remain stored up to 48 hours thanks to the built-in backup power
- Standard drain pump with 500mm lift
- Home leave operation maintains the indoor temperature at your specified comfort level during absence, thus saving energy

3 steps

standard

2 Specifications

2-1 Technical Specifications					FXUQ71A	FXUQ100A
Cooling capacity	Nom.			kW	8.0	11.2
Heating capacity	Nom.			kW	9.0	12.5
Power input - 50Hz	Cooling	Nom.		kW	0.090	0.200
	Heating	Nom.		kW	0.073	0.179
Power input - 60Hz	Cooling	Nom.		kW	0.090	0.200
	Heating	Nom.		kW	0.073	0.179
Casing	Colour				Fresh White	
	Material				Resin	
Dimensions	Unit	Height		mm	198	
		Width		mm	950	
		Depth		mm	950	
	Packed unit	Height		mm	295	
		Width		mm	1,026	
		Depth		mm	1,016	
Weight	Unit			kg	26	27
	Packed unit			kg	39	
Heat exchanger	Type				Cross fin coil (multi slit fins and HI-XA tubes)	
	Length			mm	2,413	
	Rows	Quantity			3	
	Fin pitch			mm	1.2	
	Passes	Quantity			10	
	Face area			m^2	0.330	
	Stages	Quantity			10	
	Empty tubeplate hole	Quantity			0	
Fan	Type				Turbo fan	
	Quantity				1	
	Air flow rate - 50Hz	Cooling	High	m^3/min	22.5	31.0
			Nom.	m^3/min	19.5	26.0
			Low	m^3/min	16.0	21.0
		Heating	High	m^3/min	22.5	31.0
			Nom.	m^3/min	19.5	26.0
			Low	m^3/min	16.0	21.0
Fan motor	Model				QTS48D11M	
	Speed	Steps			3	
	Output	High		W	46	106
Sound pressure level	Cooling	High		dBA	40.0	47.0
		Nom.		dBA	38.0	44.0
		Low		dBA	36.0	40.0
	Heating	High		dBA	40.0	47.0
		Nom.		dBA	38.0	44.0
		Low		dBA	36.0	40.0
Refrigerant	Type				R-410A	
Piping connections	Liquid	Type			Flare connection	
		OD		mm	9.52	
	Gas	Type			Flare connection	
		OD		mm	15.9	
	Drain				I.D. 20/O.D. 26	
	Heat insulation				Heat resistant foamed polyethylene, regular foamed polyethylene	
Air filter	Type				Resin net with mold resistance	

Standard Accessories : Non woven fabric;

Standard Accessories : Screws;

Standard Accessories : L-bent piping;

Standard Accessories : Blocking material;

Standard Accessories : Installation pattern;

Standard Accessories : Elbow;

Standard Accessories : Sealing material;

Standard Accessories : Joint insulating material;

2 Specifications

Standard Accessories : Washer clamp;
Standard Accessories : Clamps;
Standard Accessories : Washer for hanger bracket;
Standard Accessories : Clamp metal;
Standard Accessories : Drain hose;
Standard Accessories : Declaration of conformity;
Standard Accessories : Installation manual;
Standard Accessories : Operation manual;

2-2 Electrical Specifications				FXUQ71A	FXUQ100A
Power supply	Phase			1~	
	Frequency		Hz	50/60	
	Voltage		V	220-240/220-230	
Voltage range	Min.		%	10	
	Max.		%	10	
Current - 50Hz	Minimum circuit amps (MCA)		A	0.6	1.4
	Maximum fuse amps (MFA)		A	16	
	Full load amps (FLA)	Fan motor	A	0.5	1.1
Current - 60Hz	Minimum circuit amps (MCA)		A	0.6	1.4
	Maximum fuse amps (MFA)		A	16	
	Full load amps (FLA)	Fan motor	A	0.5	1.1

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 range variation between phases is 2%.
(3) MCA/MFA: MCA = 1.25 x FLA
(4) MFA ≤ 4 x FLA
(5) Next lower standard fuse rating minimum 16A
(6) Select wire size based on the value of MCA
(7) Instead of a fuse, use a circuit breaker

3 Electrical data

3 - 1 Electrical Data

FXUQ-A

Units				Power supply		IFM		Input (W)	
Model	Hz	Volts	Voltage range	MCA	MFA	kW	FLA	Cooling	Heating
FXUQ71A	50	220-240	Max. 264	0.6	16	0.046	0.5	90	73
FXUQ100A	60	220•230	Min. 198	1.4	16	0.106	1.1	200	179

Symbols:
MCA: Min. Circuit Amps. (A)
MFA: Max. Fuse Amps (A) (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 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 x FLA
MFA <= 4 x FLA
(next lower standard fuse rating min. 16A)

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4 Select a wire size based on the MCA.

5 Instead of fuse, use circuit breaker.

4 Safety device settings

4 - 1 Safety Device Settings

FXUQ-A

	Safety devices		71	100
FXUQ~A	Fuse		250V 3.15A	250V 3.15A
	Fan motor thermal fuse	°C	---	---
	Fan motor thermal protector	°C	---	---

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5 Options

5 - 1 Options

FXUQ-A

Name of option	Remark		FXUQ~A	
			71	100
Sealing member of air discharge outlet			KDBH49B140	
Decoration panel for air discharge			KDBTP49B140	
Replacement long-life filter			KAFP551K160	
Remote controller	Wired type		BRC1D52, BRC1E52A/B, BRC1D61 ※ 2	
	Infrared type	Heat pump use	BRC7CB58	
		Cooling only use	BRC7CB59	
Central remote controller			DCS302CA51, DCS302C61 ※ 2	
Unified ON/OFF controller			DCS301BA51, DSC301B61 ※ 2	
Schedule timer			DST301BA51, DST301B61 ※ 2	
Residential remote control			DCS303A51 ※ 2, ※ 3	
Wiring adapter for electrical appendices			KRP4AA53 ··· ※ 1	
Installation box for adapter PCB			KRP1BA97	
Remote sensor			KRCS01-4B	
Connector for forced on, forced off			EKRORO5	
Electrical box with earth terminal (3 blocks)			KJB311AA	
Electrical box with earth terminal (2 blocks)			KJB212AA	

Note) 3D080116
※ 1;Installation box for adapter PCB (KRP1BA97) is necessary.
※ 2;for DAME only
※ 3;For residential use only. Cannot be used together with other centralised control equipment.

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXUQ-A

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 °CDB		23 °CDB		26 °CDB		27 °CDB		28 °CDB		30 °CDB		32 °CDB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
71	5.4	4.6	6.4	5.2	7.5	5.9	8.0	6.0	8.4	6.1	8.6	5.9	8.8	5.8
100	7.6	6.1	9.0	7.0	10.5	7.9	11.2	8.1	11.3	7.9	11.6	7.7	11.9	7.4

NOTES - OPMERKINGEN - REMARQUES - ANMERKUNGEN - NOTAS - NOTE - ΣΗΜΕΙΩΣΕΙΣ - NOTLAR - ПРИМЕЧАНИЯ

1
- 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.

2
- 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 оборудования будут отличаться от указанных в таблице вследствие изменения температуры воздуха снаружи и показателя нагрузки.

3
- 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.
- Σε αυτή την περίπτωση χρησιμοποιήστε τον πίνακα δυνατοτήτων για τον επιλεγμένο εσωτερικό εξοπλισμό και διορθώστε για την αναλογία αλλαγής στη δυνατότητα.
- Bu durumda, seçilen iç ekipman için kapasite tablosunu kullanın ve kapasitedeki değişim oranına göre düzeltme yapın.
- В этом случае используйте таблицу характеристик выбранного устанавливаемого в помещении оборудования и внесите необходимую поправку на их изменение.

6 Capacity tables

6 - 2 Heating Capacity Tables

FXUQ-A

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
71	9.5	9.4	9.0	8.7	8.4	7.9
100	13.1	13.1	12.5	12.1	11.7	10.9

NOTES - OPMERKINGEN - REMARQUES - ANMERKUNGEN - NOTAS - NOTE - ΣΗΜΕΙΩΣΕΙΣ - NOTLAR - ПРИМЕЧАНИЯ

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- Bu durumda, seçilen iç ekipman için kapasite tablosunu kullanın ve kapasitedeki değişim oranına göre düzeltme yapın.
- В этом случае используйте таблицу характеристик выбранного устанавливаемого в помещении оборудования и внесите необходимую поправку на их изменение.

6 Capacity tables

6 - 3 Capacity Correction Factor

FXUQ-A

		Capacity correction factor Te = 9°C						
	Indoor air temperature	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
FXUQ71	TC	0.675	0.702	0.762	0.784	0.804	0.836	0.859
	SHF	1.149	1.164	1.110	1.088	1.072	1.061	1.046
FXUQ100	TC	0.678	0.707	0.770	0.795	0.813	0.839	0.862
	SHF	1.144	1.159	1.105	1.082	1.069	1.060	1.049

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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 TC.
   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. ощутимого 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 .
   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. ощутимого 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 Capacity tables

6 - 3 Capacity Correction Factor

FXUQ-A

		Capacity correction factor Te = 11°C						
	Indoor air temperature	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
FXUQ71	TC	0.554	0.559	0.593	0.631	0.664	0.718	0.759
	SHF	1.149	1.239	1.254	1.197	1.157	1.117	1.094
FXUQ100	TC	0.543	0.565	0.602	0.643	0.676	0.725	0.762
	SHF	1.144	1.232	1.244	1.189	1.150	1.114	1.096

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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 TC.
   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. ощутимого 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 .
   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. ощутимого 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

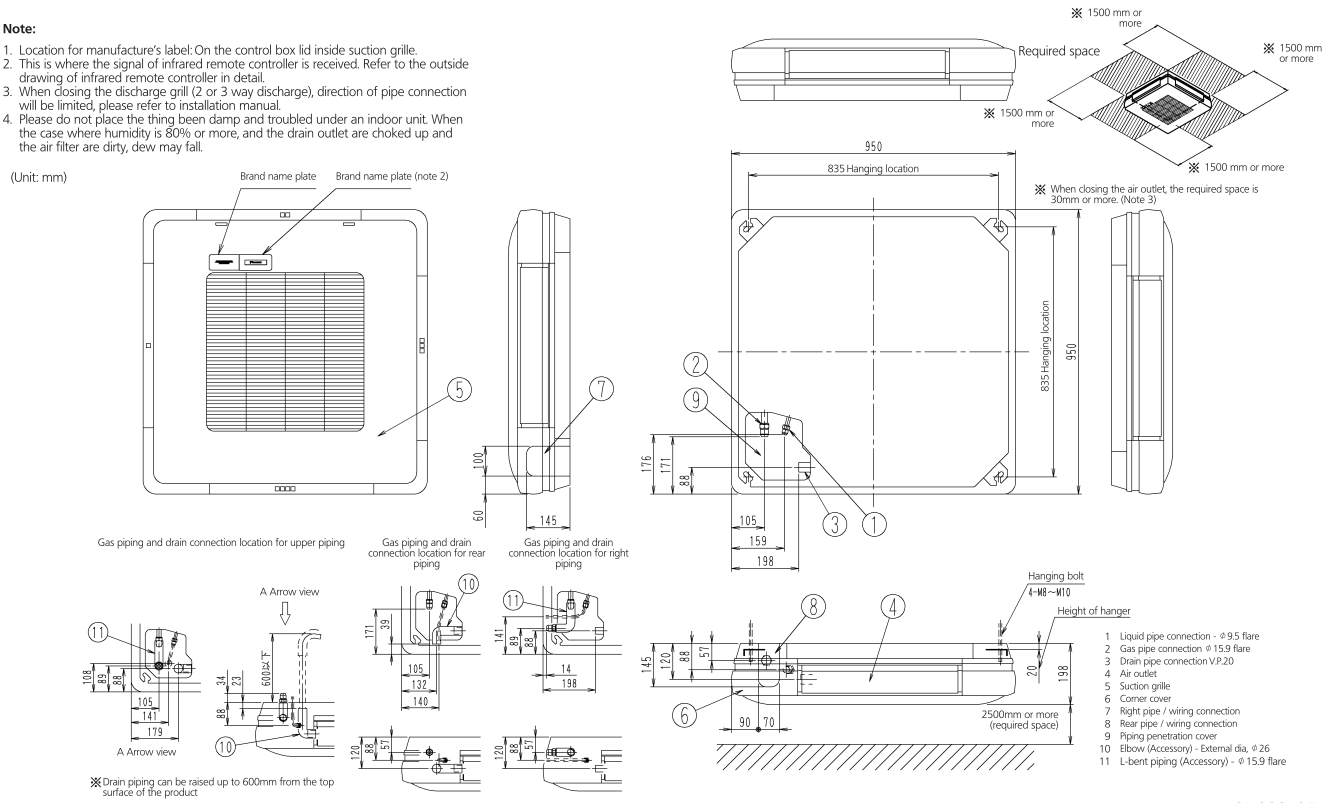
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXUQ-A

Note:

1. Location for manufacture's label: On the control box lid inside suction grille.
2. This is where the signal of infrared remote controller is received. Refer to the outside drawing of infrared remote controller in detail.
3. When closing the discharge grill (2 or 3 way discharge), direction of pipe connection will be limited, please refer to installation manual.
4. Please do not place the thing been damp and troubled under an indoor unit. When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.



8 Piping diagrams

8 - 1 Piping Diagrams

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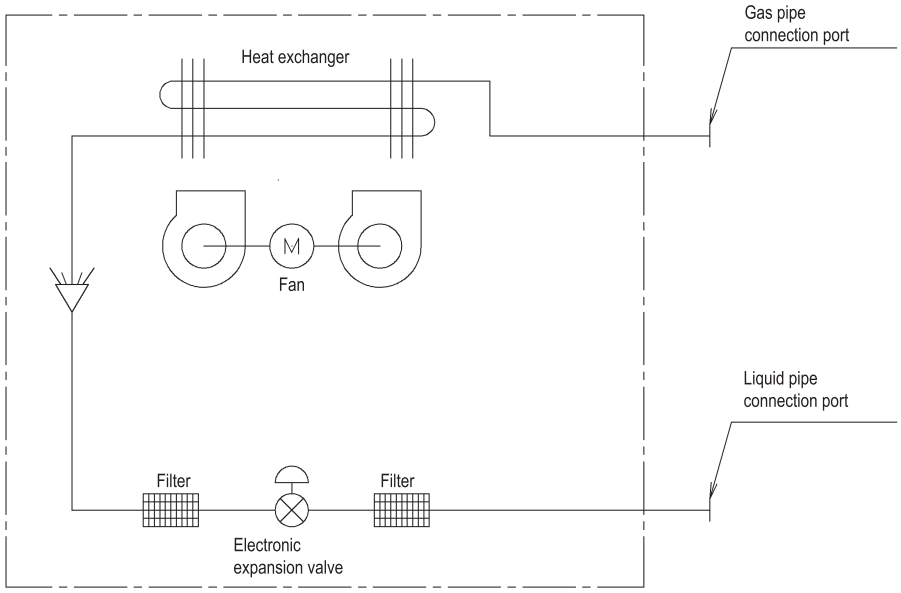

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9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

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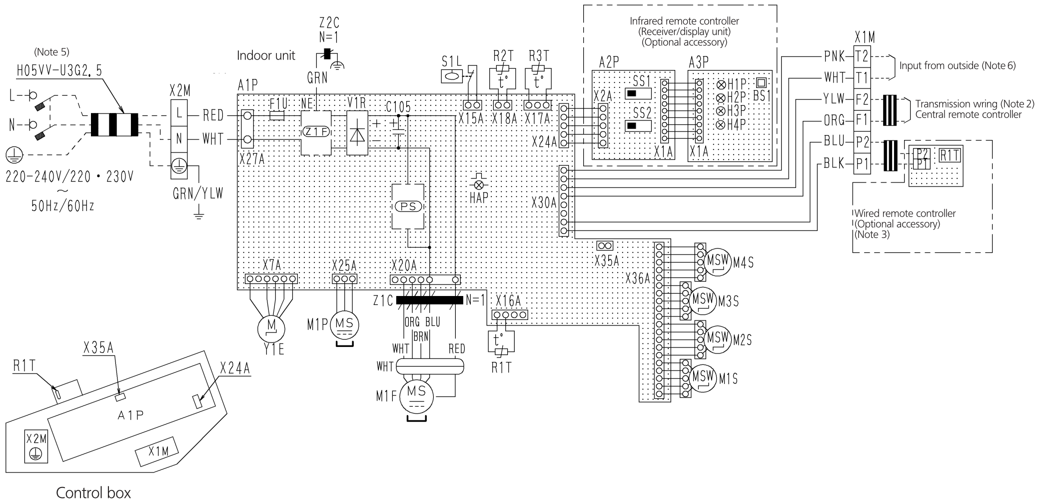

Indoor unit	
A1P	Printed circuit board
C105	Capacitor (M1F)
F1U	Fuse (T,3.15A, 250V)
HAP	Flashing lamp (service monitor-green)
M1F	Motor (indoor fan)
M1P	Motor (drain pump)
M1S•M2S M3S•M4S	Motor (swing blade)
R1T	Thermistor (air)
R2T•R3T	Thermistor (coil)
S1L	Float switch
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Y1E	Electronic expansion valve
Z1F	Noise filter
Z1C	Ferrite core
Z2C	Ferrite core
PS	Power supply circuit
Infrared remote controller (Receiver/display unit)	
A2P	Printed circuit board
A3P	Printed circuit board
BS1	Push button (on/off)
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)
Wired remote controller	
R1T	Thermistor (air)
Connector for optional parts	
X24A	Connector (Infrared remote controller)
X35A	Connector (Power supply for adapter)

Notes

1. ⊏⊐ : Terminal block, ▯: Connector, ▮▮: Field wiring
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. In case of main/sub overchange, see the installation manual attached to remote controller.
4. Symbols show as follows: BLK:Black RED:Red BLU:Blue WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink.
5. Shows only in case of protected pipes, use HO7RN-F in case of no protection.
6. When connecting the input wires 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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10 Sound data

10 - 1 Sound Pressure Spectrum

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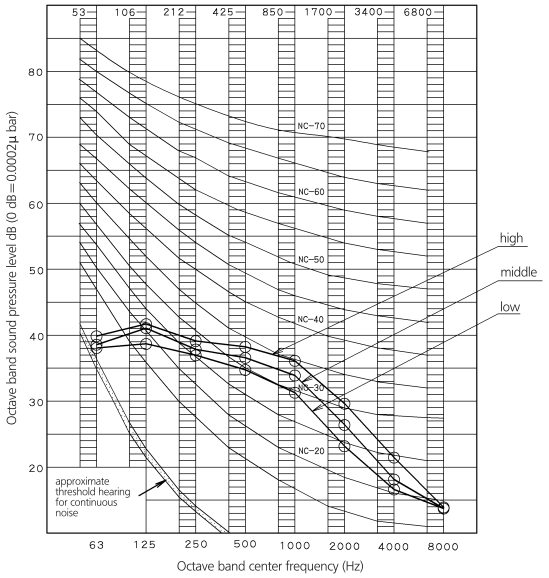


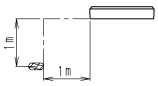
NOTES

1 Overall (dB)

Scale	Mode		
	high	middle	low
A	40,0	38,0	36,0
C	46,1	44,9	43,3

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber
3 Operation noise differs with operation and ambient conditions.
4 Operating conditions: Power source: 220-240V 50Hz/220•230V 60Hz
5 Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
6 Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB
7 Location of microphone



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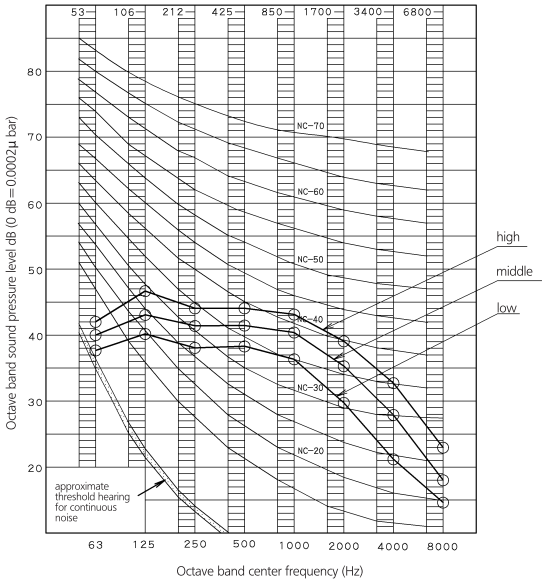
FXUQ100A



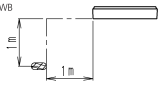
NOTES

1 Overall (dB)

Scale	Mode		
	high	middle	low
A	47,0	44,0	40,0
C	51,2	48,4	45,2

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber
3 Operation noise differs with operation and ambient conditions.
4 Operating conditions: Power source: 220-240V 50Hz/220•230V 60Hz
5 Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
6 Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB
7 Location of microphone



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Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

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