DAIKIN

Air Conditioning

Technical Data

Wall mounted unit

EEDEN14-100

FAQ-C

TABLE OF CONTENTS

FAQ-C

1 Features

- Ideal solution for commercial spaces with no or narrow false ceilings
- Can be installed in both new and existing buildings
- Flat, stylish front panel blends easily within any interior décor and is more easy to clean
- 5 different discharge angles can be programmed via the remote control
- Maintenance operations can be performed from the front of the unit
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.


Home leave operation


Fan only


Auto cooling-heating changeover


Vertical auto swing


Fan speed steps


Dry programme


Air filter


Weekly timer


Infrared remote control


Wired remote control


Centralised control


Auto-restart


Self diagnosis


Drain pump kit


Twin/triple/ double twin application

2 Specifications

2-1 Technical Specifications					FAQ71C	FAQ100C
Power input	Cooling	Nom.		kW	0.051	0.061
	Heating	Nom.		kW	0.068	0.061
Casing	Colour				Fresh White	
	Material				Resin	
Dimensions	Unit	Height/Width/Depth		mm	290/1,050/238	340/1,200/240
	Packed unit	Height/Width/Depth		mm	366/1,147/337	429/1,310/325
Weight	Unit			kg	13	17
	Packed unit			kg	19	24
Heat exchanger	Length			mm	863	963
	Rows	Quantity			2	
	Fin pitch			mm	1.2	
	Passes	Quantity			4	6
	Face area			m^2	0.279	0.347
	Stages	Quantity			18	20
	Empty tubeplate hole	Quantity			0	
	Fin	Type			Cross fin coil (Multi slit fins and Hi-XB tubes)	
Fan	Type				Cross flow fan	
	Quantity				1	
	Air flow rate	Cooling	High	m^3/min	18	26
			Nom.	m^3/min	16	23
			Low	m^3/min	14	19
		Heating	High	m^3/min	18	26
			Nom.	m^3/min	16	23
			Low	m^3/min	14	19
Fan motor	Model				QCL9663MA	QCL1096M
	Speed	Steps			3	
	Output	High		W	48	64
	Phase x Voltage			V	DC310	DC325
	Full load amps (FLA)	Cooling		A	0.3	0.4
		Heating		A	0.4	
Sound power level	Cooling	/		dBA	61	65
	Heating	/		dBA	61	65
Sound pressure level	Cooling	High/Nom./Low		dBA	45/42/40	49/45/41
	Heating	Super high/High/Nom./Low		dBA	-/45/42/40	-/49/45/41
Refrigerant	Type				R-410A	
Piping connections	Liquid	Type/OD		mm	Flare connection/9.52	
	Gas	Type/OD		mm	Flare connection/15.9	
	Drain				VP13 (I.D. 13/O.D. 18)	
	Heat insulation				Foamed polystyrene / Foamed polyethylene	

Standard Accessories : Insulation tape;

Standard Accessories : Screws;

Standard Accessories : Installation panel;

Standard Accessories : Installation and operation manual; Quantity : 1;

Standard Accessories : Clamps;

Standard Accessories : Screw cover;

2-2 Electrical Specifications			FAQ71C	FAQ100C
Power supply	Phase		1~	
	Frequency	Hz	50/60	
	Voltage	V	220-240/220	

3 Safety device settings

3 - 1 Safety Device Settings

FAQ71-100C

Safety devices		71	100
FAQ~CVEB	Fuse	–	–
	Fan motor thermal fuse (°C)	–	–
	Fan motor thermal protector (°C)	–	–

DU423-9101P

4 Options

4 - 1 Options

FAQ71-100C

Item	Type		FAQ71CVEB	FAQ100CVEB
Remote controller	Infrared	H/P	BRC7EB518	
		C/O	BRC7EB519	
	Wired		BRC1E52A7, BRC1E51A7,BRC1D528	
Wiring adapter for electrical appendices (2)			*KRP4AA51	
Installation box for adapter PCB.			Note 1 KRP4AA93	
Central remote controller			DCS302CA51	
Electrical box with earth terminal (3 blocks)			KJB311AA	
Unified ON/OFF controller			DCS301BA51	
Electrical box with earth terminal (2 blocks)			KJB212AA	
Noise filter (for electromagnetic interface use only)			KEK26-1A	
Schedule timer			DST301BA51	
Remote sensor			KRCS01-4B	
Drain up kit			K-KDU572EVE	
I-touch controller			DCS601C51	

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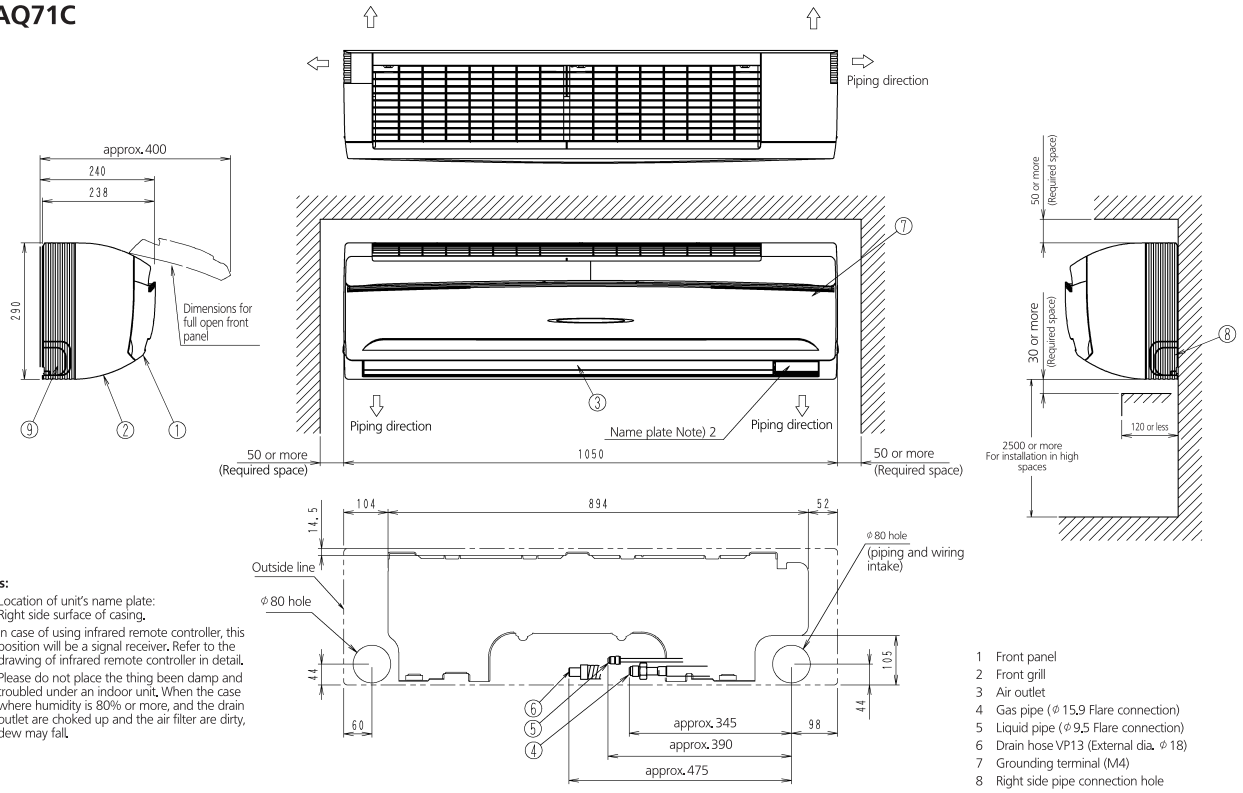
Notes:

1. Installation box (No. 6) is necessary for each adapter marked.*

5 Dimensional drawings

5 - 1 Dimensional Drawings

FAQ71C



Notes:

1. Location of unit's name plate: Right side surface of casing.
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. 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.

1 Front panel
2 Front grill
3 Air outlet
4 Gas pipe (φ15.9 Flare connection)
5 Liquid pipe (φ9.5 Flare connection)
6 Drain hose VP13 (External dia. φ18)
7 Grounding terminal (M4)
8 Right side pipe connection hole
9 Left side pipe connection hole

Mounting location

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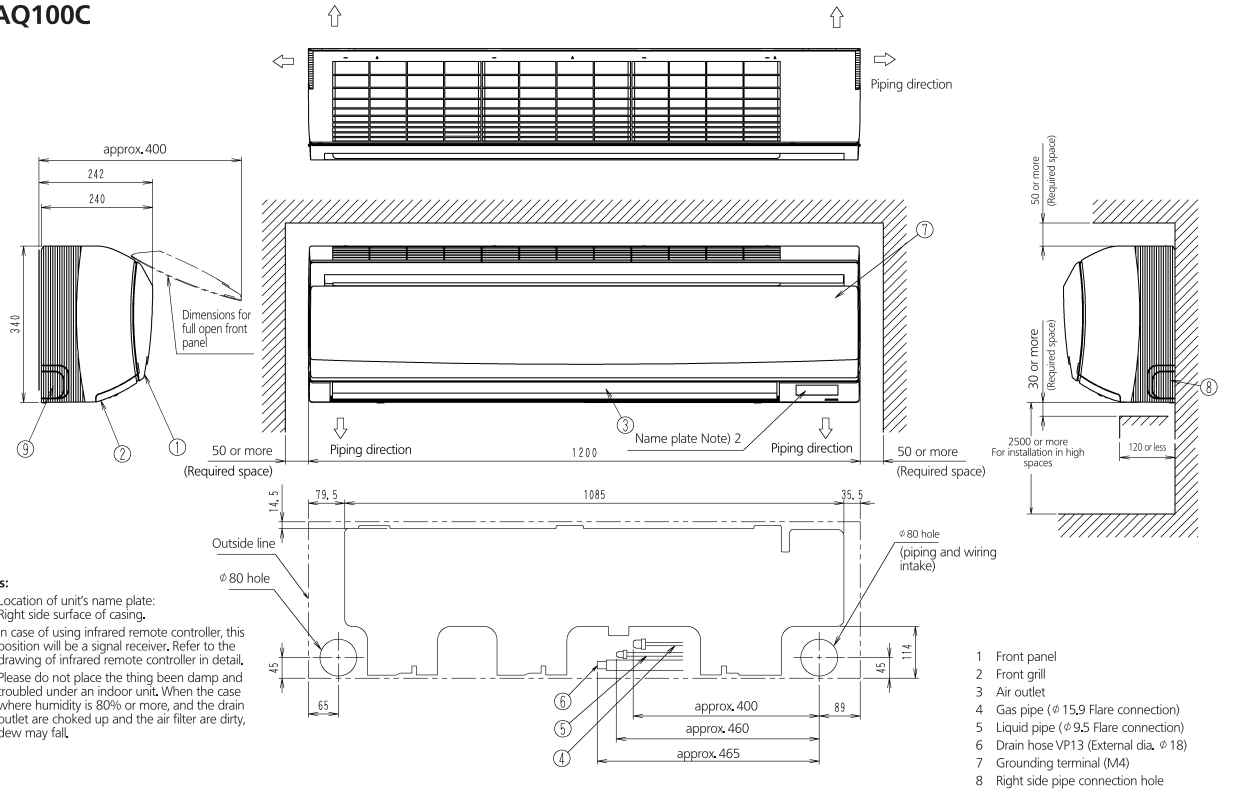
FAQ100C



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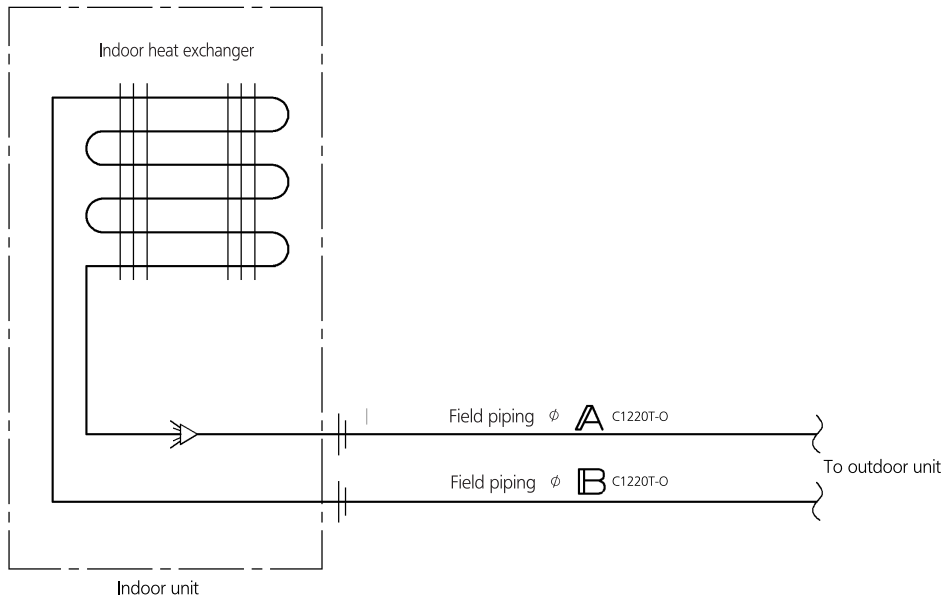
6 Piping diagrams

6 - 1 Piping Diagrams

FAQ71-100C



Model	A	B
FAQ71, 100C	9.5	15.9

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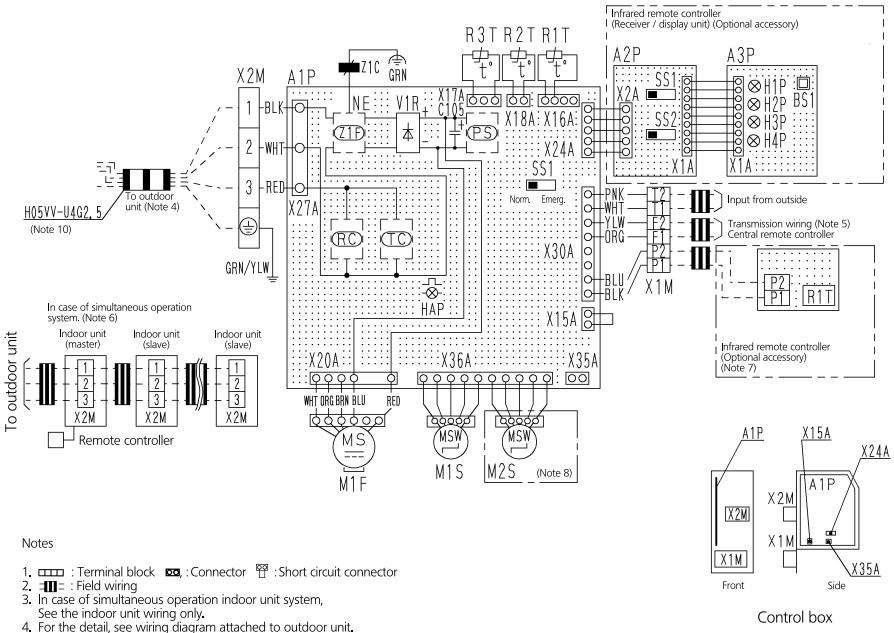
7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FAQ71-100C

Indoor unit	
A1P	Printed circuit board
C105	Capacitor
HAP	Flashing lamp (service monitor-green)
M1F	Motor (indoor fan)
M1S	Motor (swing flap)
M2S	Motor (swing flap)
R1T	Thermistor (air)
R2T-R3T	Thermistor (coil)
SS1	Selector switch (emergency)
V1R	Diode bridge
X1M	Terminal block (Remote controller)
X2M	Terminal block (Transmission wiring)
Z1C	Ferrite core (Noise filter)
(Z1P)	Noise filter
(PS)	Switching power supply
(RC)	Signal receiver circuit
(TC)	Signal transmission circuit
Infrared remote controller (Receiver/display unit)	
A2P	Printed circuit board
A3P	Printed circuit board
BS1	Push button switch (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 (wireless address set)
Wired remote controller	
R1T	Thermistor (air)
Connector for optional parts	
X15A	Connector (float switch)
X24A	Connector (Infrared remote controller)
X35A	Connector (Power supply for adapter)



Notes

1. ▭▭▭ : Terminal block ⊠ : Connector ⊤ : Short circuit connector
2. ⊣▮▮⊢ : Field wiring
3. In case of simultaneous operation indoor unit system, See the indoor unit wiring only.
4. For the detail, see wiring diagram attached to outdoor unit.
5. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
6. In case of connection units varies according to the combination system, confirm engineering guide and catalogs, etc, before connecting.
7. In case of main/sub changeover, see the installation manual attached to remote controller.
8. M2S is 100 only.
9. Symbols shows as follows: BLK:Black RED:Red BLU:Blue WHT:White PNK:Pink YLW:Yellow GRY:Gray GRN:Green ORG:Orange BRN:Brown
10. Shows only in case of protected pipes, use HO7RN-F in case of no protection.

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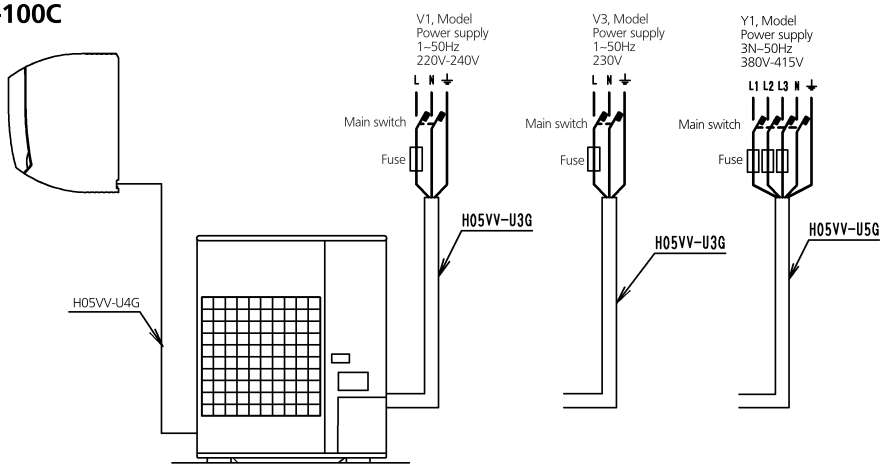
8 External connection diagrams

8 - 1 External Connection Diagrams

FAQ71-100C



NOTES

1 ——— Line voltage wiring
——— Control circuit wiring
2 All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
3 Use copper conductor only.
4 As for details, see wiring diagrams.
5 Install fuse and mainswitch for safety.
6 All field wiring and components must be provided by a licensed electrician.
7 Unit shall be grounded in compliance with the applicable local and national codes.
8 Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
9 Never share a common power source with other equipment.

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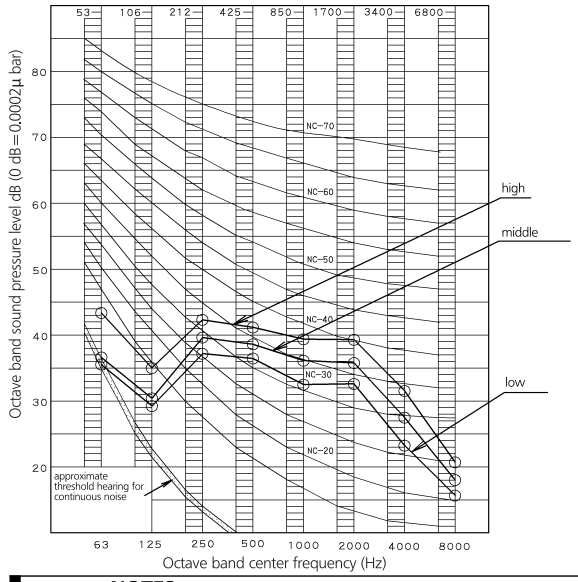
9 Sound data

9 - 1 Sound Pressure Spectrum

FAQ71C



NOTES

1 Overall (dB)

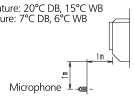
Scale	230V		
	high	middle	low
A	45	42	40
C	48	45	43

(B,G,N is already rectified)

Power level (dB)

230V		
high	middle	low
61	58	56

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



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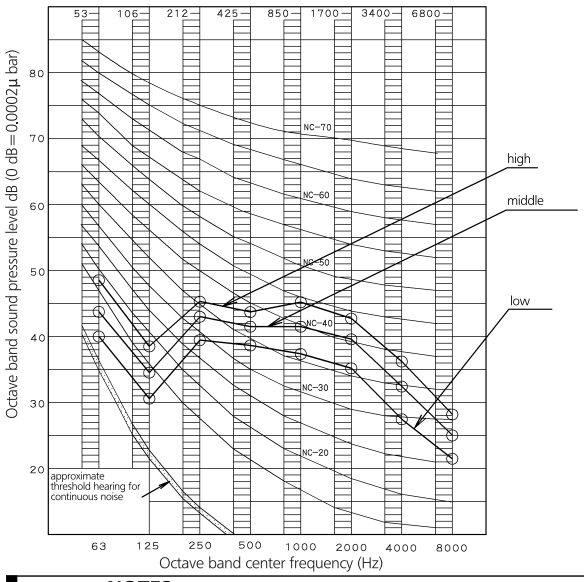

NOTES

1 Overall (dB)

Scale	230V		
	high	middle	low
A	49	45	41
C	52.5	48	44.5

(B,G,N is already rectified)

Power level (dB)

230V		
high	middle	low
65	62	58

2 Measuring place: Anechoic chamber
3 Operation noise differs with operation and ambient conditions.
4 Operating conditions: Power source: 230V 50Hz
5 Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
6 Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
230V
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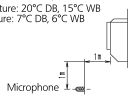

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