



Air Conditioning Technical Data

Wall mounted unit



EEEDEN13-100

FAQ-C

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1 Features

- Ideal solution for shops, restaurants or offices 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.

1



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		m²		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	m³/min	18		26	
			Nom.	m³/min	16		23	
			Low	m³/min	14		19	
		Heating	High	m³/min	18		26	
			Nom.	m³/min	16		23	
			Low	m³/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		0.4	
Sound power level	Cooling	High/Nom./Low		dBA	61/58/56		65/62/58	
	Heating	High/Nom./Low		dBA	61/58/56		65/62/58	
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 : Clamps;

Standard Accessories : Screws;

Standard Accessories : Insulation tape;

Standard Accessories : Installation panel;

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

Standard Accessories : Screw cover;

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

*Note: column contains preliminary data

3 Safety device settings

3 - 1 Safety Device Settings

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

DU423-9101M

4 Options

4 - 1 Options

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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				KRC501-4B	
Drain up kit				K-KDU572EVE	
I-touch controller				DCS601C51	

Notes:

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

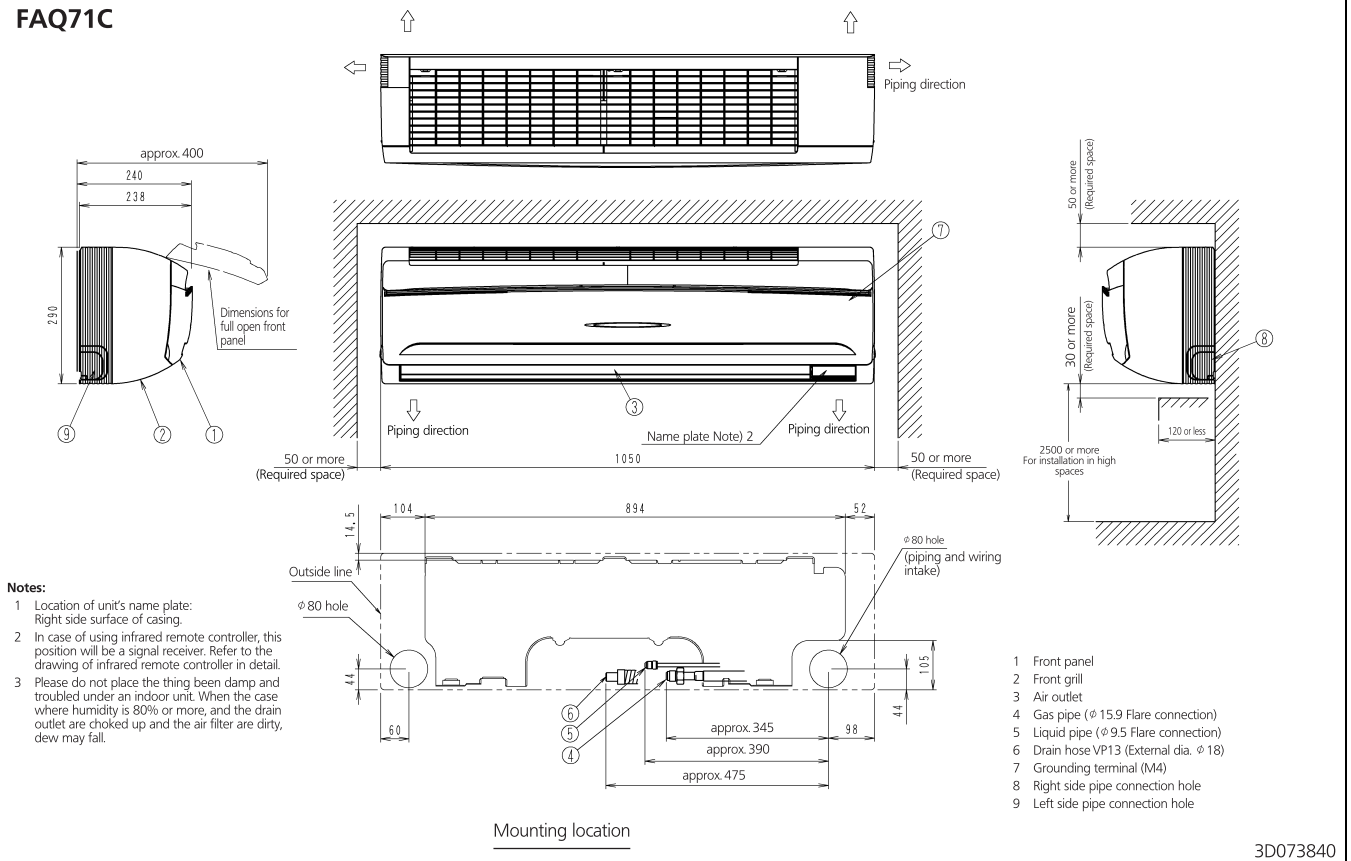
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5 Dimensional drawings

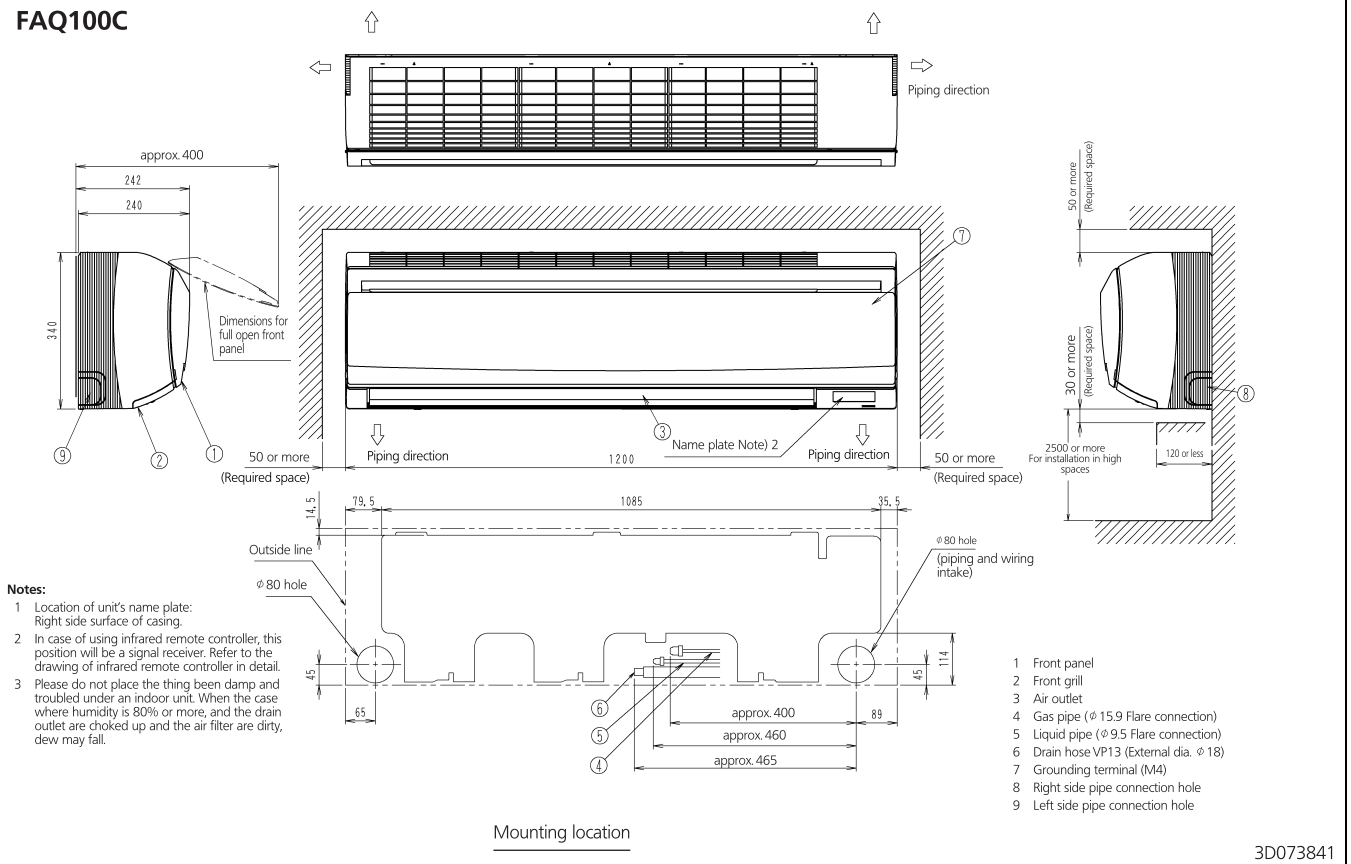
5 - 1 Dimensional Drawings

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FAQ71C



FAQ100C



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6 Piping diagrams

6 - 1 Piping Diagrams

FAQ71-100C

The diagram illustrates the refrigerant piping for the FAQ71-100C indoor unit. It shows the indoor heat exchanger and indoor unit connected to two field piping lines (A and B) that lead to an outdoor unit. The indoor unit is represented by a dashed box containing the heat exchanger and a pump symbol. The field piping lines are labeled 'Field piping φ A C1220T-O' and 'Field piping φ B C1220T-O'. The lines are connected to the outdoor unit, indicated by a bracket labeled 'To outdoor unit'.

Model	A	B
FAQ71, 100C	9.5	15.9

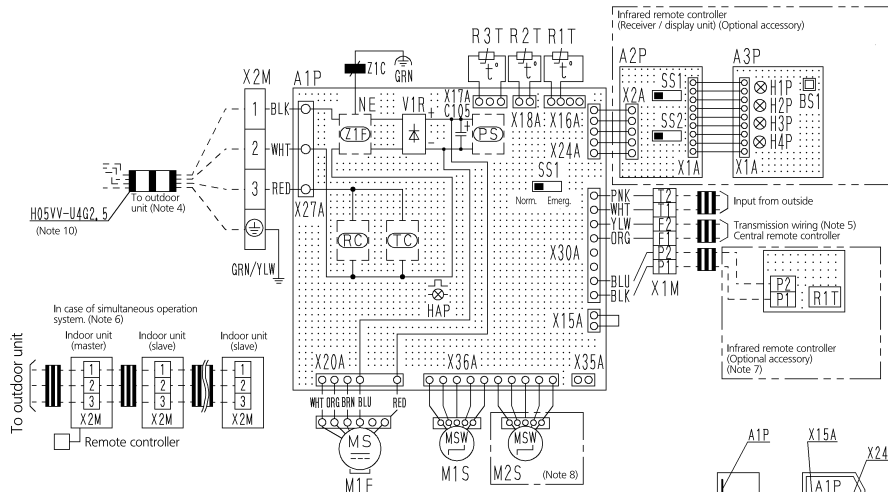
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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

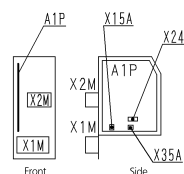
FAQ71-100C

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)
Z1B	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 GRN:Green ORG:Orange BRN:Brown
10. Shows only in case of protected pipes, use HO7RN-F in case of no protection.

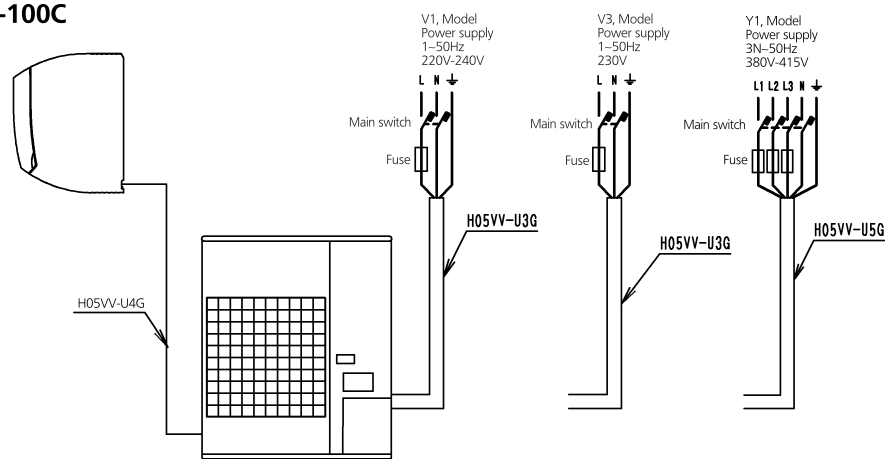


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8 External connection diagrams

8 - 1 External Connection Diagrams

FAQ71-100C



NOTES

- 1 Line voltage wiring
- 2 Control circuit wiring
- 3 All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
- 4 Use copper conductor only.
- 5 As for details, see wiring diagrams.
- 6 Install fuse and mainswitch for safety.
- 7 All field wiring and components must be provided by a licensed electrician.
- 8 Unit shall be grounded in compliance with the applicable local and national codes.
- 9 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.

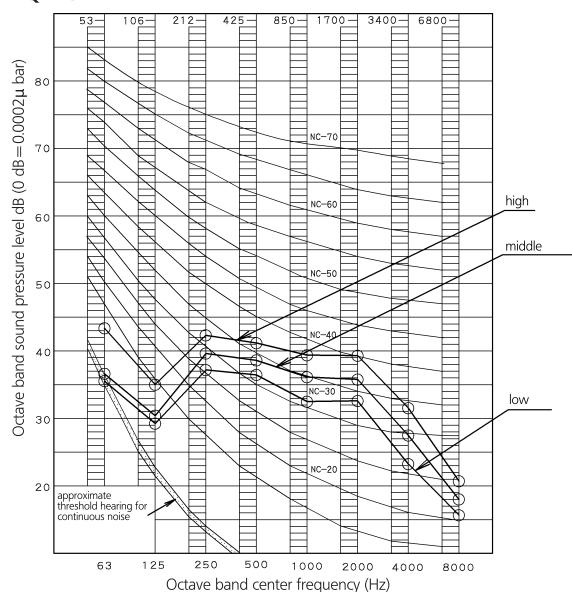
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9 Sound data

9 - 1 Sound Pressure Spectrum

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FAQ71C

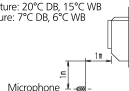


NOTES

- Overall (dB)

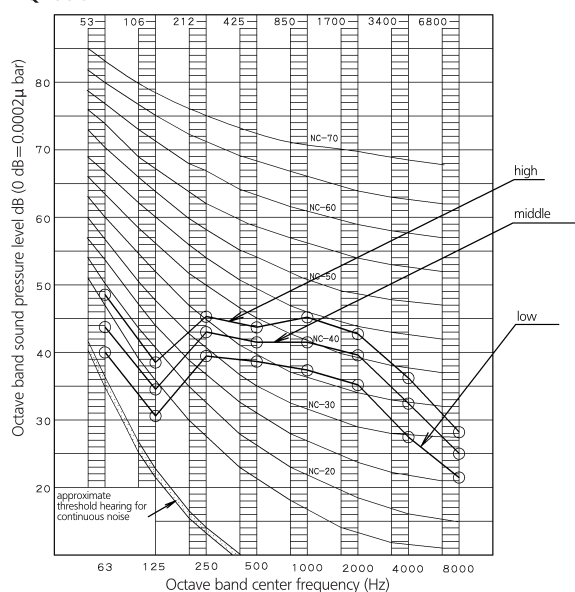
Scale	high	middle	low
A	45	42	40
C	48	45	43

(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source: 230V 50Hz
- Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
- Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
- 230V
- Location of microphone



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FAQ100C



NOTES

- Overall (dB)

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

(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source: 230V 50Hz
- Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
- Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
- 230V
- Location of microphone



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