

Air Conditioners

Technical Data







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FHQG-C

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1 Features

- Seasonal efficiency, optimized for all seasons.
- · Can be installed in both new and existing buildings
- · Ideal solution for shops, restaurants or offices without false ceilings
- The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space















2 steps

2 Specifications

2-1 Technical S	2-1 Technical Specifications				FHQG71CVEB	FHQG100CVEB	FHQG125CVEB	FHQG140CVEB		
Casing	Colour				Fresh white (6.5Y 9.5/0.5)					
Dimensions	Unit	Height		mm	235					
		Width	Width		1,270 1,590					
		Depth	Depth		690					
Weight	Unit kg			32	38					
Heat exchanger	Rows Quantity					;	3			
	Fin pitch			mm		1	.5			
	Face area			m²	0.303		0.398			
	Stages Quantity				14					
	Fin Type					Cross fin coil (multi louv	ver fins and N-hix tubes)			
Fan	Туре					Siroc	co fan			
	Air flow rate Coolin	Cooling	High	m³/ min	20.5	28	31	34		
			Low	m³/ min	14	20	23	24		
		Heating	High	m³/ min	20.5	28	31	34		
			Low	m³/ min	14	20	23	24		
Fan motor	Model				3D15L1AA1		4D15L1AC1	I .		
Sound power level	Cooling	Nom.		dBA	55	60	62	64		
Sound pressure level	Cooling	Nom.		dBA	38	42	44	46		
	Heating	Nom.	Nom.		34		37	38		
Piping connections	Liquid	Туре		•	Flare connection					
		OD		mm	9.52					
	Gas	Туре		•		Flare co	nnection			
		OD		mm	15.9					
	Drain					VP20 (I.D.	20/O.D. 26)			
Air filter	-				Resin net with mold resistance					

2-2 Electrical S _I	pecifications	FHQG71CVEB	FHQG100CVEB	FHQG125CVEB	FHQG140CVEB		
Power supply	Phase			•	1		
	Frequency	50					
	Voltage	V	220-240				
Current - 50Hz	Nominal running current	Α	-				
Current - 60Hz	Nominal running current	Α	-				

3 Safety device settings

3 - 1 Safety Device Settings

FHQG-CVEB	Fuse					
LUMP-CAFR			250V 3,15A	250V 3,15A	250V 3,15A	250V 3,15A
	Fan motor thermal fuse Fan motor thermal protector	°C °C	<u>-</u> -	-	-	-
	Li an motor triennal protector					

4 Options

4 - 1 Options

FHQG-CVEB

OPTIONS

ITEM	REMARK	FHQG-CVEB					
I I I E M	REWARK	71	100	125	140		
Long-life filter	KAFP501A80 (AS3604386)	KAFP501A160 (AS3604386)					
Fresh air intake kit #1	KDDQ50A140 (AS3604655)						
L-type piping kit (for upward direction)	KHFP5N160 (AS2304387)						

CONTROL SYSTEMS

ITEM	REMARK		FHQG-CVEB					
I I EM			71	100	125	140		
Remote control	Wired		BRC1E51A7/BRC1D528					
Remote control	Wireless	Heat pump		BRC7	7G63			
Wiring adapter for electrical appendices #2		KRP1	BA54					
Wiring adapter for electrical appendices #2		KRP4AA52						
Installation box for adapter PCB	KRP1D93A							
Remote sensor	KRCS01-4B							
Central remote control	DCS302CA51							
Unified on/off controller			DCS301BA51					
Schedule timer			DST301BA51					
Electrical box with earth terminal (2 blocks)	KJB212AA							
Electrical box with earth terminal (3 blocks)		KJB3	11AA					
Remote on/off					EKROR02			

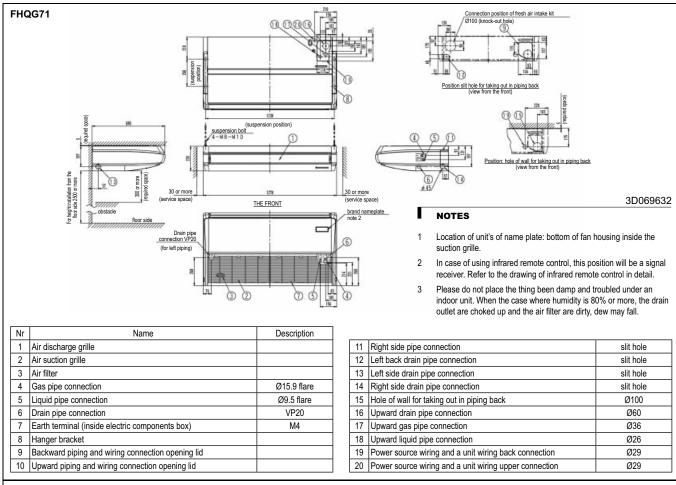
^{#1} Fresh air intake volume is 10% or less of air flow rate.

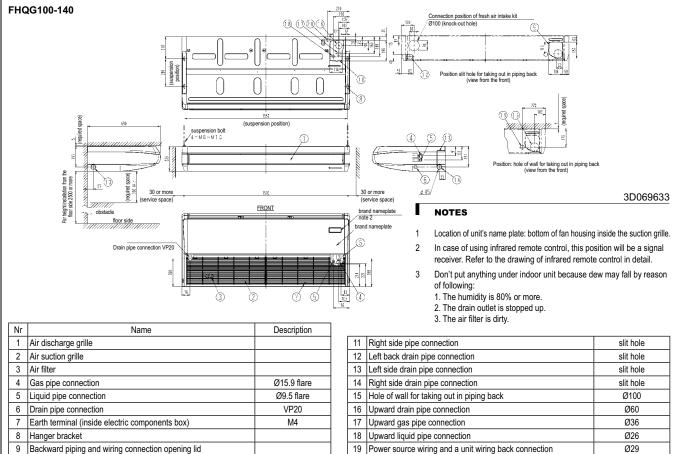
#2 Installation box for adapter PCB (KRP1H98) is necessary.

3D069658

5 Dimensional drawings

5 - 1 Dimensional Drawings





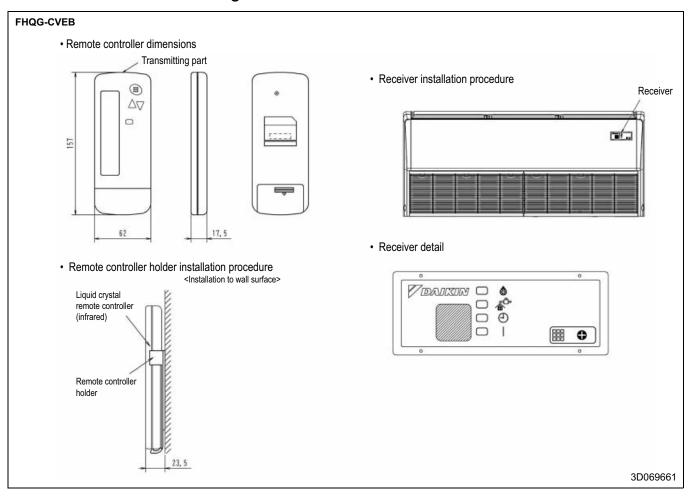
20 Power source wiring and a unit wiring upper connection

Ø29

10 Upward piping and wiring connection opening lid

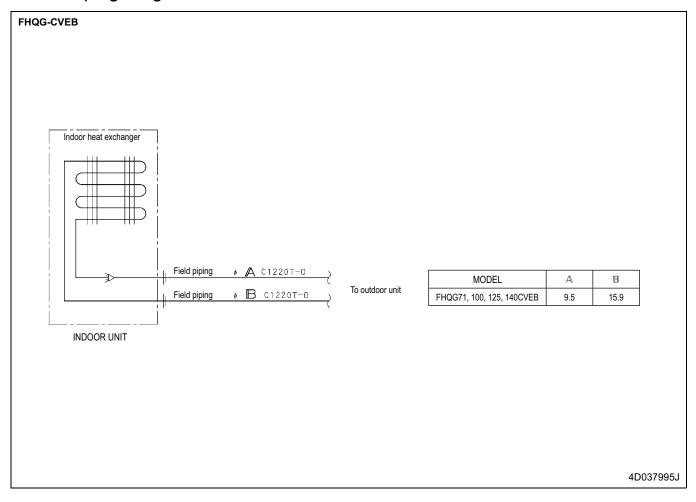
5 Dimensional drawings

5 - 1 Dimensional Drawings



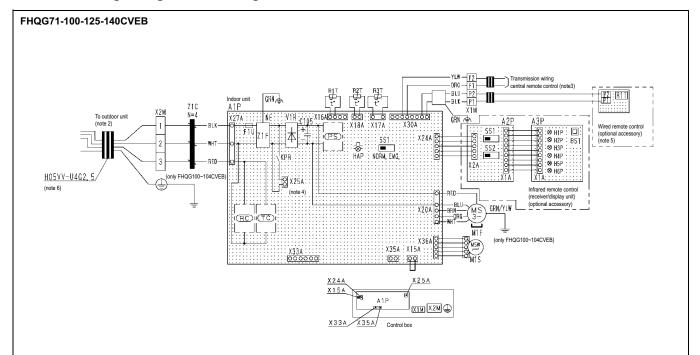
6 Piping diagrams

6 - 1 Piping Diagrams



7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase



	Indoor unit	PS	Power supply circuit	H5P	Light emitting	diode	
A1P	Printed circuit board	(RC)	Signal receiver circuit		(element washing - red)		
C105	Capacitor (M1F)	TC	Signal transmission circuit	H6P	Light emitting diode		
F1U	Fuse (T, 3, 15A, 250V)		Wired remote control		(ventilation clean - green)		
HAP	Light emitting diode	R1T	Thermistor (air)	SS1	Selector switch (main/sub)		
	(service monitor green)		Infrared remote control	SS2	Selector switch (wireless adress set)		s set)
KPR	Magnetic relay (M1P)		(Receiver/Display unit)		Connector for optional parts		
M1F	Motor (indoor fan)	A2P	Printed circuit board	X15A	Connector (float switch)		
M1S	Motor (swing flap)	A3P	Printed circuit board	X24A	Connector (Infrared remote control)		ntrol)
R1T	Thermistor (air)	BS1	Push button (ON/OFF)	X25A	Connector (drain pump)		
R2T-R3T	Thermistor (coil)	H1P	Light emitting diode (ON - red)	X33A	Connector (adapter for wiring)		
SS1	Selector switch (emergency)	H2P	Light emitting diode	X35A	Connector (gro	oup control adap	ter)
V1R	Diode bridge		(timer - green)	RED: red	PNK: pink	BLK: black	ORG: orange
X1M	Terminal block	H3P	Light emitting diode	WHT: white	GRN: green	YLW: yellow	BLU: blue
X2M	Terminal block		(filter sign - red)	GRY: grey	BRN: brown		
Z1F	Noise filter	H4P	Light emitting diode				
Z1C	Ferrite core (noise filter)		(defrost - orange)				

3D069266-1A

NOTES

- 1. ☐ : Terminal ☐ : connector ☐ : Field wiring
- 2. Model outdoor unit shown in this diagram shows the outline of product. For the detail, see wiring diagram attached to outdoor unit.
- 3. In case using central remote control, connect it to the unit in accordance with the attached installation manual.
- 4. X15A, X25A are connected when the drain up kit is being used, in accordance with the attached installation manual.
- 5. In case of main/sub changeover. See the installation manual attached to remote control.
- 6. Shows only in case of protected pipes. Use HD7RN-F in case of no protection.

Scale

Low

34

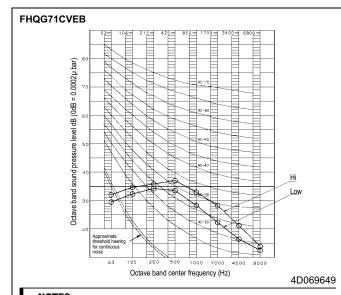
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8 Sound data

Sound Pressure Spectrum 8 - 1



NOTES

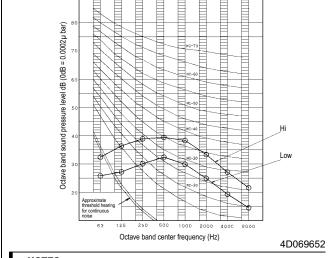
- Over All (dB): (B,G,N is already rectified)
- Operating conditions:

Power source: 220~240V 50Hz / 220V 60Hz 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

- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone.





Low

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NOTES

FHQG100CVEB

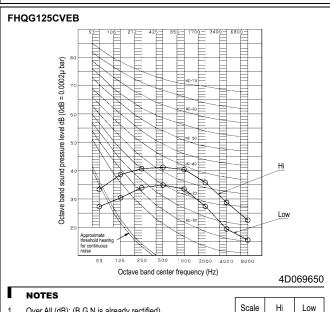
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FHQG140CVE	3	
FHQG140CVEE	53-106-212-425-850-700-3400-6800- 45-70-40-40-40-40-40-40-40-40-40-40-40-40-40	Hi Low
20	Approximate threshold hearing for confinuous noise	
	63 125 250 500 1000 2000 4000 8000 Octave band center frequency (Hz)	4D069651

Scale

С

Low

38

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46

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NOTES

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Α

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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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