

Air Conditioners

Technical Data



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FHQG-C

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- 1
- Seasonal efficiency, optimized for all seasons.
- · Can be installed in both new and existing buildings
- ldeal 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

optional

2 Specifications

2-1 Technical Specifications			FHQG71C	FHQG100C	FHQG125C	FHQG140C				
Casing	Colour					Fresh	White			
Dimensions	Unit	Height/W Depth	/idth/	mm	235/1,270/690	235/1,590/690				
Weight	Unit			kg	32	38				
Heat exchanger	Rows	Quantity					3			
	Fin pitch			mm		1	.5			
	Face area			m²	0.303		0.398			
	Stages	Quantity		•		1	4			
	Fin	Туре			Cross fin coil (multi louver fins and N-hix tubes)					
Fan	Туре	Туре			Sirocco fan					
	Air flow rate	Cooling	High	m³/min	20.5	28	31	34		
			Nom.	m³/min	17	24	27	29		
		Low	m³/min	14	20	23	24			
		Heating	High	m³/min	20.5	28	31	34		
			Nom.	m³/min	17	24	27	29		
			Low	m³/min	14	20	23	24		
Fan motor	Model			3D15L1AA1	4D15L1AC1					
	Output	High	High		91	150				
Sound power level	Cooling	Nom.		dBA	55	60	62	64		
Sound pressure level	Cooling	High/Nor	n./Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38		
·	Heating	Super hi		dBA	-/38/36/34	-/42/38/34	-/44/41/37	-/46/42/38		
Piping connections	Liquid	Type/OD	Type/OD		Flare connection/9.52					
	Gas	Type/OD	Type/OD mm		Flare connection/15.9					
	Drain			VP20 (I.D. 20/O.D. 26)						
Air filter	Туре					Resin net with	mold resistance			

2-2 Electrical Specifications			FHQG71C	FHQG100C	FHQG125C	FHQG140C
Power supply	Phase	1~				
	Frequency	Hz	50			
	Voltage	٧	220-240			
Current - 60Hz	Nominal running current	Α	-			

Notes

Safety device settings 3

Safety Device Settings 3 - 1

SAFETY DEVICE LIST

FHQG-CVEB

	Safety devices	71	100	125	140	
	Fuse		250V 3,15A	250V 3,15A	250V 3,15A	250V 3,15A
FHQG-CVEB	Fan motor thermal fuse	°C	-	-	-	-
	Fan motor thermal protector	°C	_	-	-	-

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4 Options

4 - 1 Options

FHQG-CVEB

OPTIONS

ITEM	REMARK	FHQG-CVEB				
I I E IVI	KEWAKK	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					
ITEM	KEWAKK	REMARK		100	125	140		
Remote control	Wired		BRC1E51A7/BRC1D528					
Remote control	Wireless	Wireless Heat pump		BRC7G63				
Wiring adapter for electrical appendices #2	Wiring adapter for electrical appendices #2				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)	KJB311AA							
Remote on/off	EKROR02							

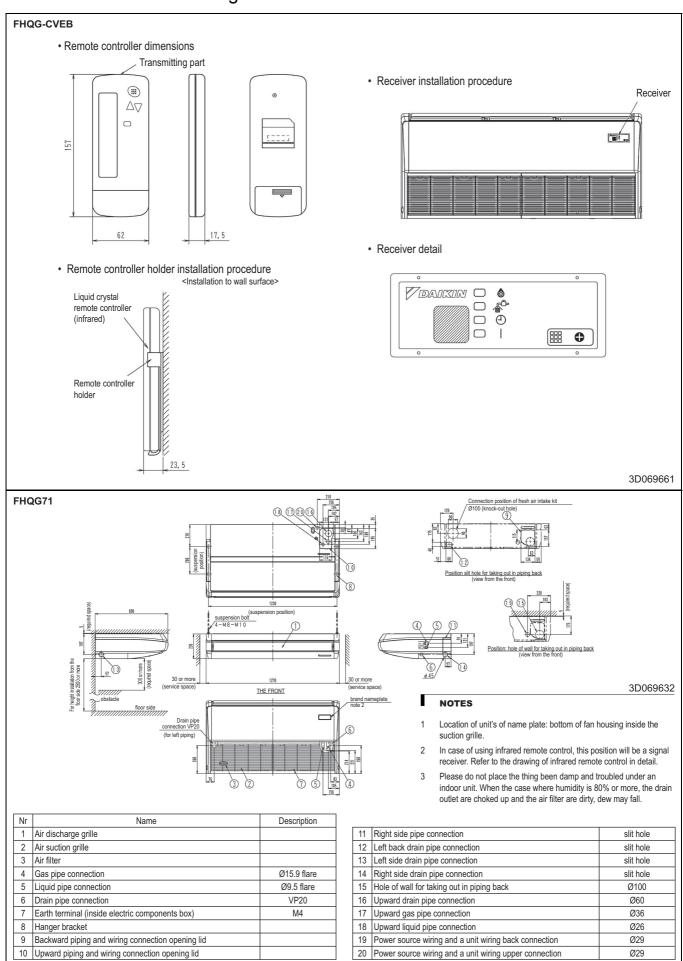
^{#1} Fresh air intake volume is 10% or less of air flow rate.

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

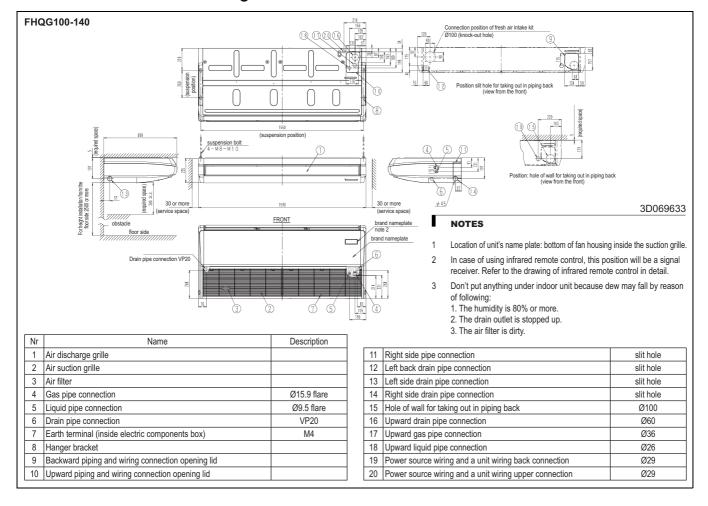
5 Dimensional drawings

5 - 1 Dimensional Drawings



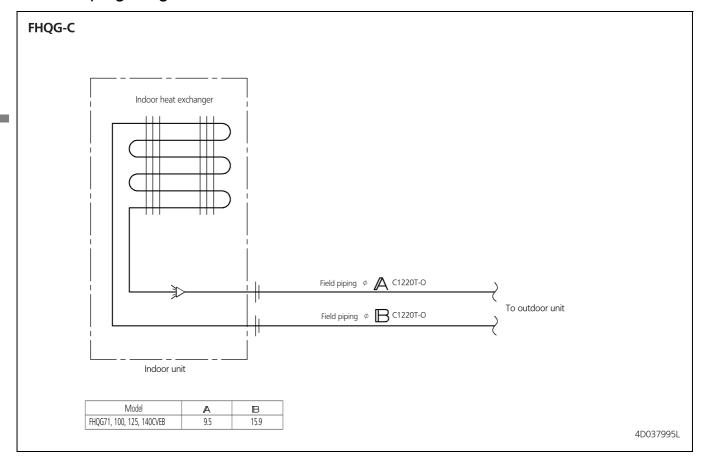
5 Dimensional drawings

5 - 1 Dimensional Drawings



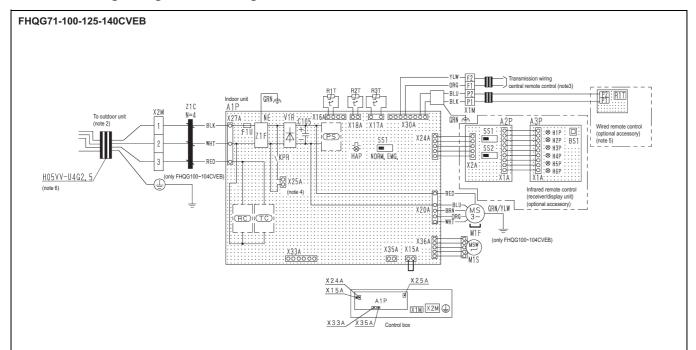
6 Piping diagrams

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)		ing - red)	
C105	Capacitor (M1F)	TC	TC Signal transmission circuit		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	Selector switch (main/sub)	
	(service monitor green)		Infrared remote control	SS2	Selector switch (wireless adress 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)		
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)				

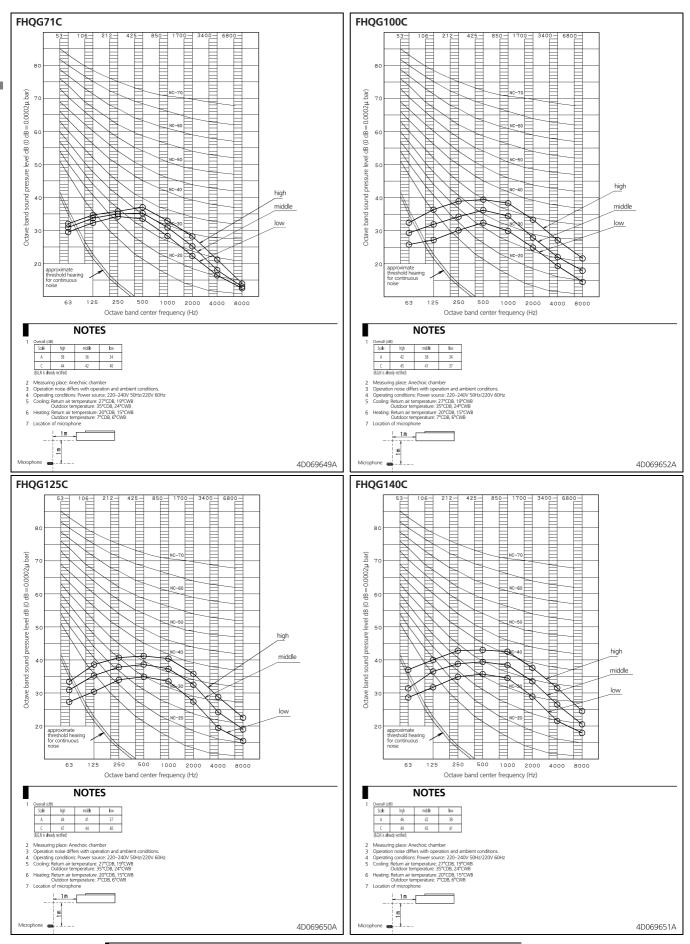
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NOTES

- 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.

8 Sound data

8 - 1 Sound Pressure Spectrum





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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