

Air Conditioners

Technical Data







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FHQ-BVV1B

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1 Features

- · Slim unit with super silent and greater air flow
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Can be installed in both new and existing buildings.
- Compact casing (only 960 to 1,590mm width).
- Extremely quiet in operation
- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.8m without loss of capacity.
- Up to 4 indoor units can be connected to 1 Multi outdoor unit. All indoor units are individually controllable with remote control and do not need to be installed in the same room or at the same time. They operate simultaneously within the same cooling operation

- · Daikin remote controls give you easy control at your fingertips.
- The wired remote control provides you with a schedule timer, enabling to program the air conditioning daily or weekly.
- The optional remote ON/OFF enables you to start/stop the air conditioning from a mobile phone via a telephone remote control (field supply).
- The optional forced OFF enables you to switch off the unit automatically. E.g. when a window is opened, the unit switches off.
- The 'home leave' operation button prevents large temperature differences by continuously operating at a minimum (heating mode) or maximum (cooling mode) preset level while you're out or sleeping. It also allows the indoor temperature to return quickly to your favourite comfort level.

















2 steps



optional



heat pump







35~60







optional

C

2 Specifications

2-1 FOR INDOOR UNITS ONLY		FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B
Nominal Input Cooling	kW	0.111	0.111	0.115	0.117	0.135	0.144

2-2 TECHI	NICAL SPECI	FICATION	S	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B
Casing	Colour					WI	nite		
Dimensions	Packing	Height	mm	279	279	279	279	275	275
		Width	mm	1046	1046	1246	1246	1486	1676
		Depth	mm	818	818	818	818	818	818
	Unit	Height	mm	195	195	195	195	195	195
		Width	mm	960	960	1160	1160	1400	1590
		Depth	mm	680	680	680	680	680	680
Weight	Unit	•	kg	24.0	25.0	27.0	27.0	32.0	35.0
	Packed Unit		kg	31.0	32.0	35.0	35.0	41.0	45.0
Heat	Dimensions	Length	mm	722	722	922	922	1162	1352
Exchanger		Nr of Rows	3	2	3	2	3	3	3
		Fin Pitch	mm	1.75	1.75	1.75	1.75	1.75	1.75
		Nr of Pass	es	6	6	6	6	11	11
		Face Area	m²	0.182	0.182	0.233	0.233	0.293	0.341
		Nr of Stag	es	12	12	12	12	12	12
		Empty Tub			2				
	Tube type				I.	N-	Hix	I.	I
	Fin	Туре		ML fin (Multi louver)					
Fan			Sirocco fan						
Fan Type Quantity				3	3	4	4	3	4
Air Flow Rate	Cooling	High	m³/min	13.0	13.0	17.0	17.0	24.0	30.0
		Low	m³/min	10.0	10.0	13.0	14.0	20.0	25.0
	Heating	High	m³/min	13.0	13.0	16.0	17.0	24.0	30.0
		Low	m³/min	10.0	10.0	13.0	14.0	20.0	25.0
Fan	Motor	Quantity	1	1	1	1	1	1	1
		Model		3D12K1AA1	3D12K1AA1	4D12K1AA1	4D12K1AA1	3D12K2AA1	4D12K2AA1
		Number of steps		2	2	2	2	2	2
		Output (high)	W	62	62	62	62	130	130
Cooling	Sound Power	High	dBA	53.0	54.0	55.0	55.0	58.0	60.0
· ·		Low	dBA	48.0	49.0	49.0	51.0	53.0	55.0
	Sound	High	dBA	37.0	38.0	39.0	39.0	42.0	44.0
	Pressure	Low	dBA	32.0	33.0	33.0	35.0	37.0	39.0
Heating	Sound Power	High	dBA	53.0	54.0	55.0	55.0	58.0	60.0
		Low	dBA	48.0	49.0	49.0	51.0	53.0	55.0
	Sound	High	dBA	37.0	38.0	39.0	39.0	42.0	44.0
	Pressure	Low	dBA	32.0	33.0	33.0	35.0	37.0	39.0
Refrigerant	Туре	u .	1		•	R-4	10A		
Piping	Liquid (OD)	Туре				Flare co	nnection		
connections		Diameter (OD)	mm	6.4	6.4	6.4	9.5	9.5	9.5
	Gas	Туре			•	Flare co	nnection	•	-
		Diameter (OD)	mm	9.5	12.7	12.7	15.9	15.9	15.9
	Drain	Diameter (OD)	mm			VP20 (I.D.	20/O.D. 26)		
	Heat Insulation	, ,	•			Foamed polystyr	ene/polyethylene		
Safety Devices				Fuse	Fuse	Fuse			
•						Fan motor the	rmal protector	1	

2 Specifications

2-2 TECHI	NICAL SPECIFICATIONS	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	
Standard	Item	Installation and operation manual						
Accessories	Quantity	1	1	1	1	1	1	
Item	Item			Paper pattern	for installation			
		Drain hose						
				metal				
				Insulation	for fitting			
				Sealir	ig pad			
		Clamps						
				Washer for ha	anger bracket			

2-3 ELECT	RICAL SPECIFI	CATIONS	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	
Power Supply	Name		V1						
Phase			1	1	1	1	1	1	
	Frequency	Hz	50	50	50	50	50	50	
	Voltage	V	220-240						
Power Supply Ir	ntake		Outdoor unit only						

3 Safety device settings

FHQ25~140B

	Safety devices		35	40 • 50	60	71	100	125
	Fuse		250V 5A	250V 5A	250V 5A	-	-	-
FHQ~BVV1B	Fan motor thermal protector	۰٫	OFF: 130 ± 5					
	Fan motor thermal protector		ON: 83 ± 20					

3D006611Q

4 Options

Name of option			FHQ~ B				
			35	50	60		
Replacement long-life filter			KAFJ501D A 56 KAFJ501				
Drain up kit			KDU50 N 60VE				
L-type piping kit (for upward direction)			KHFP5MA35	KHFP:	5MA63		
Remote control	Wired type		BRC1D528				
	Infrared type	Heat pump	BRC7EA63W				
		Cooling only	BRC7EA66				
Central remote control			DCS302CA51				
Unified ON/OFF control			DCS301BA51				
Schedule timer			DST301BA51				
Adapter for wiring			KRP1BA54				
Wiring adapter (hour meter)			EKRP1B2A				
Adaptor for external ON/OFF and monitoring 💥1			KRP4AA52				
Interface adapter for Sky Air series			DTA112B A 51				
Installation box for adapter PC	В		KRP1CA93				
Remote ON/OFF, forced OFF			EKROROA				

Note $\mbox{\@mathbb{X}}\mbox{1: Installation box for adapter PCB (KRP1CA93) is necessary.}$

3D038056A

4 Options

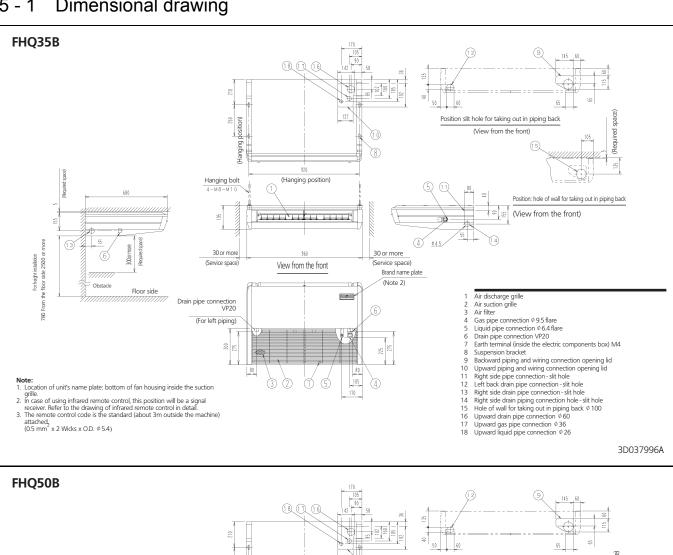
Name of aution	on Remark		FHQ~B				
Name of option			71	100	125		
Replacement long-life filter			KAF501DA80	KAF501DA112	KAF501DA160		
Drain up kit				KDU50N125VE			
L-type piping kit (for upward direction)				KHFP5MA160			
Remote control	Wired type			BRC1D528			
	Infrared type	For Heat pump		BRC7EA63W			
		For cooling only	BRC7EA66				
Central remote control			DCS302CA51				
Unified ON/OFF control			DCS301BA51				
Schedule timer			DST301BA51				
Adapter for wiring			KRP1BA54				
Wiring adapter for electrical appendices *1			KRP4AA52				
Interface adapter for Sky Air series			DTA112BA51				
Installation box for adapter PCB			KRP1CA93				
Remote sensor			KRCS01-1A				
Connector for forced on, forced off			EKROROA				
Electrical box with earth terminal (3 blocks)	1		KJB311AA				
Electrical box with earth terminal (2 blocks)				KJB212AA	KJB212AA		

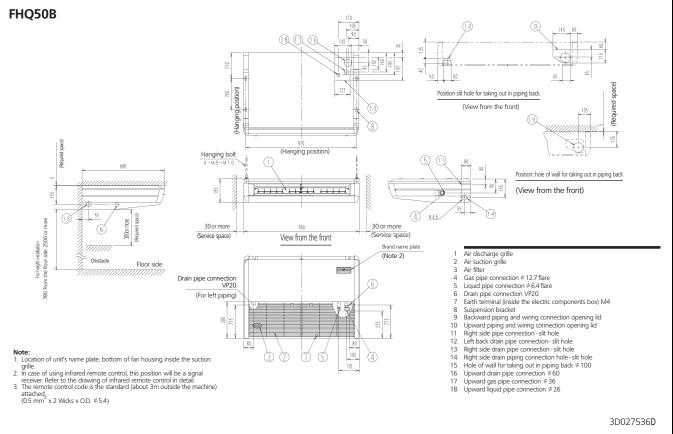
NOTE: *1:Installation box for adapter PCB (KRP1CA93) is necessary

3D044485B

5 **Dimensional drawing & centre of gravity**

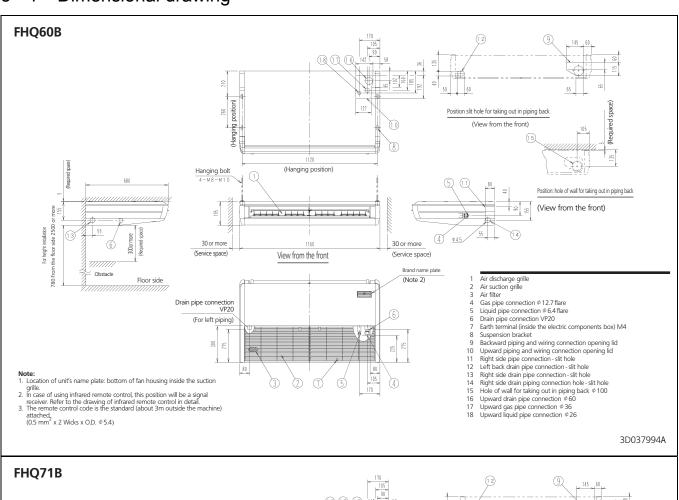
Dimensional drawing

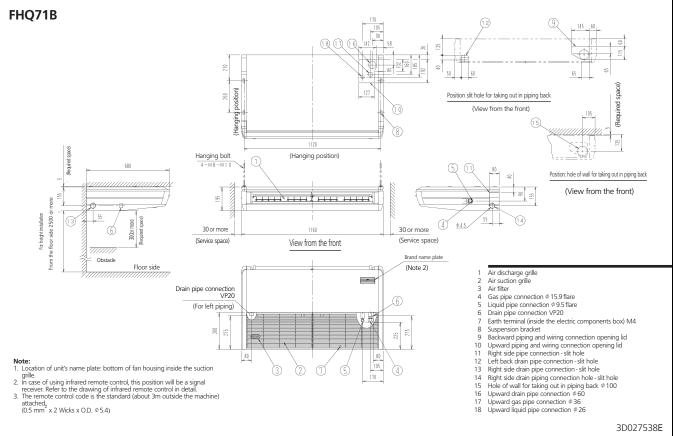




5 Dimensional drawing & centre of gravity

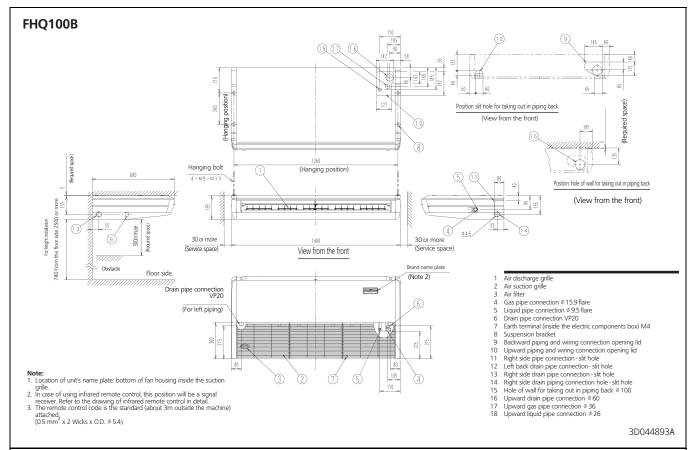
5 - 1 Dimensional drawing

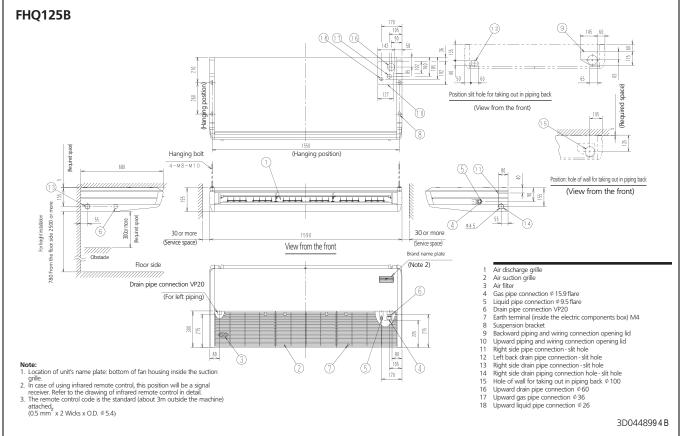




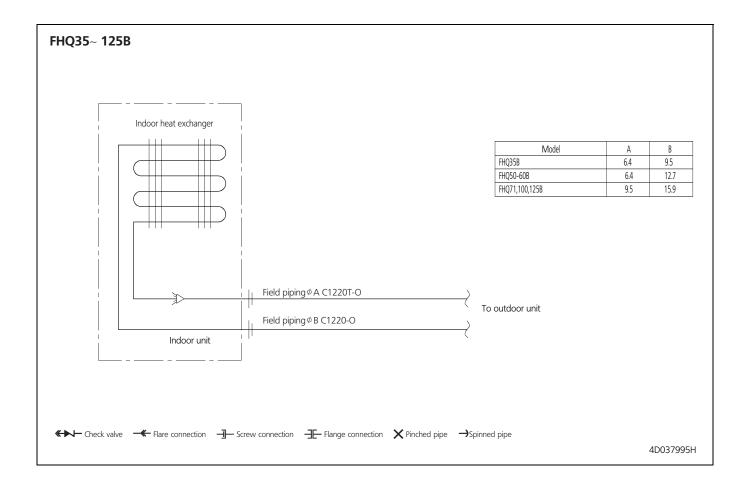
5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing



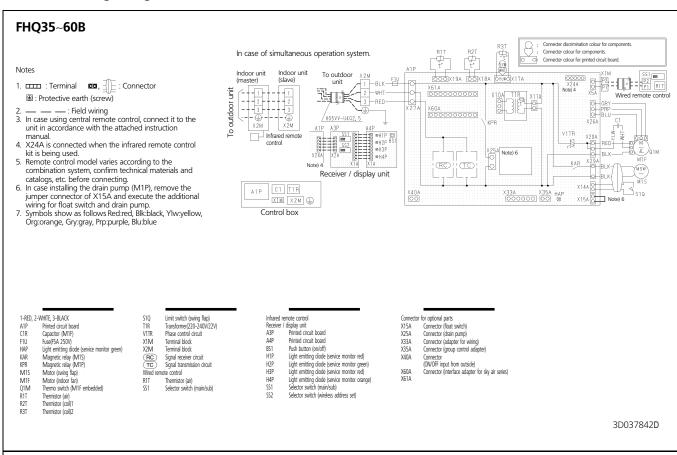


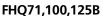
6 Piping diagram

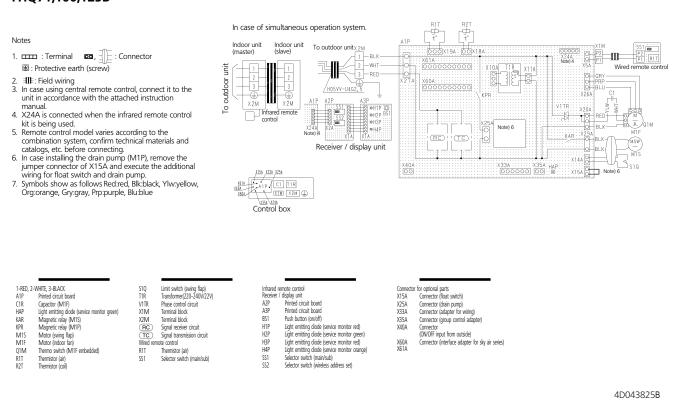


7 Wiring diagram

7 - 1 Wiring diagram

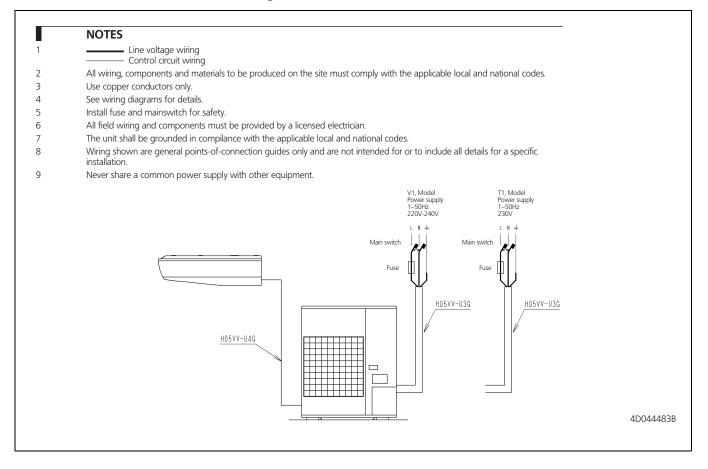






7 Wiring diagram

7 - 2 External connection diagram



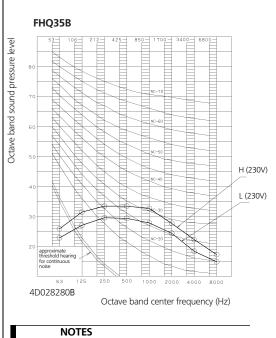
8 Sound data

8 - 1 Sound level data

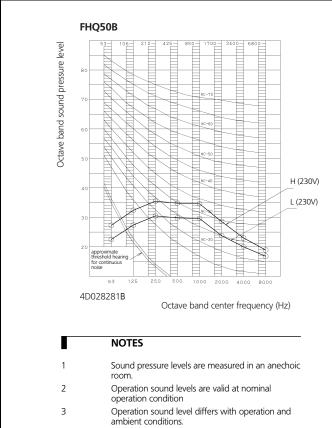
		Sound press					
Model	23	80V		Sound po	Sound power level		
	50)Hz	Measuring location				
	H (cooling/heating)	L (cooling/heating)	incusaring rocutori	H (cooling/heating)	L (cooling/heating)		
FHQ35B	37/37	32/32	Location of microphone	53/53	48/48		
FHQ50B	38/38	33/33		54/54	49/49		
FHQ60B	39/-	33/-	1 1 1	55/-	49/-		
FHQ71B	39/39	35/35	=	55/55	51/51		
FHQ100B	42/42	37/37	Microphone -	58/58	53/53		
FHQ125B	44/44	39/39		60/60	55/55		

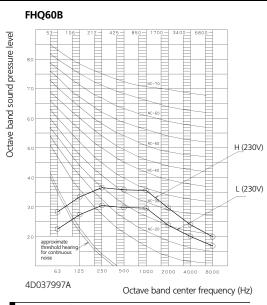
8 Sound data

8 - 2 Sound pressure spectrum



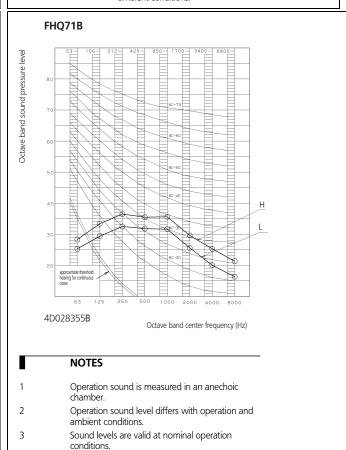
- Sound pressure levels are measured in an anechoic
- 2 Operation sound levels are valid at nominal operation condition
- 3 Operation sound level differs with operation and ambient conditions





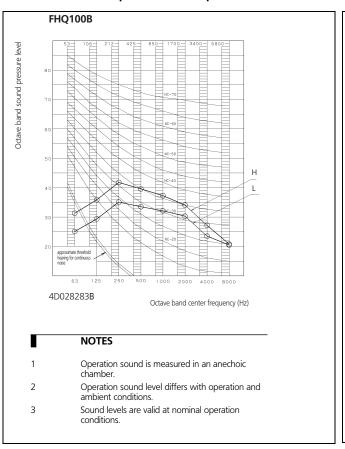


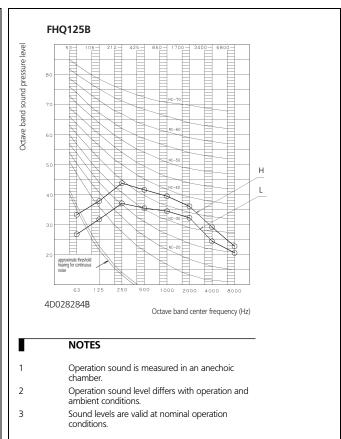
- Sound pressure levels are measured in an anechoic
- Operation sound levels are valid at nominal 2 operation condition
- 3 Operation sound level differs with operation and ambient conditions.

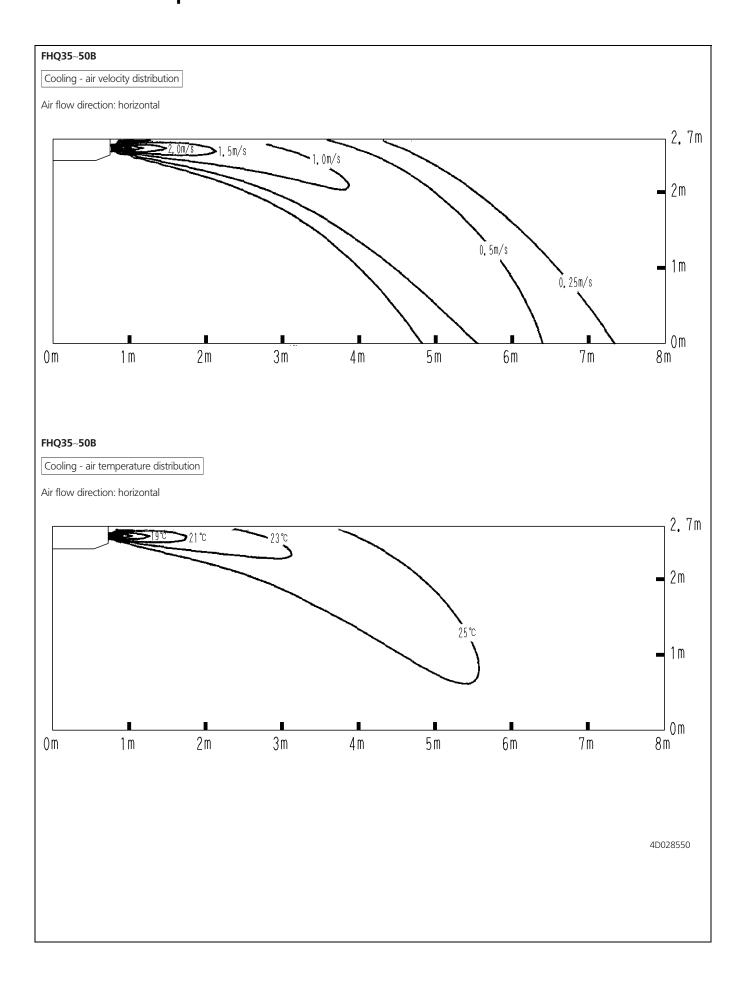


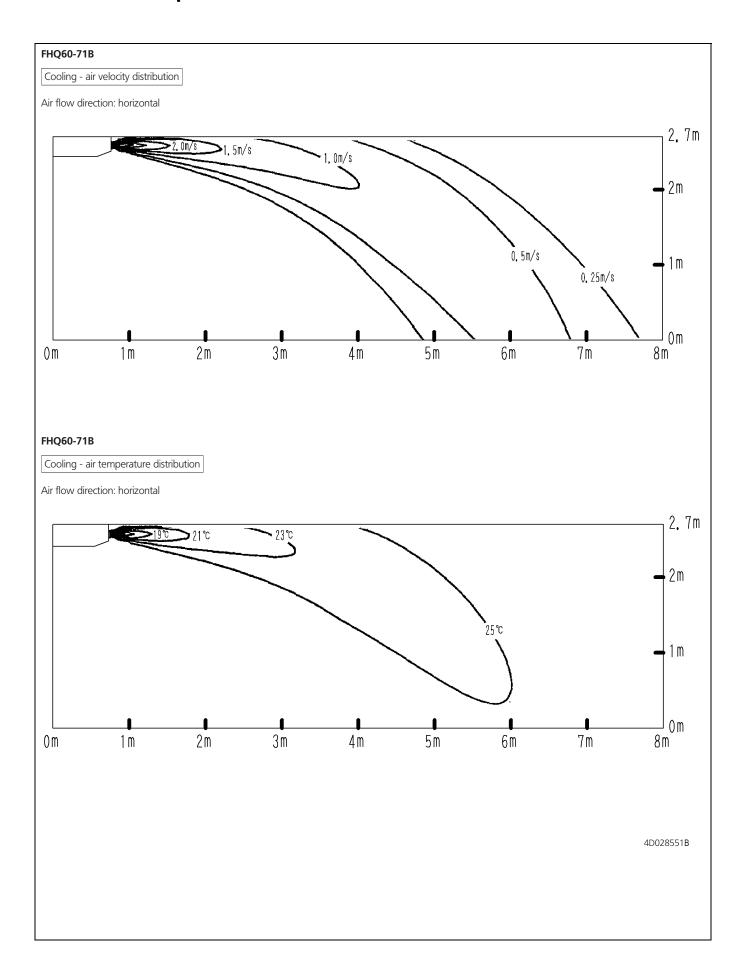
8 Sound data

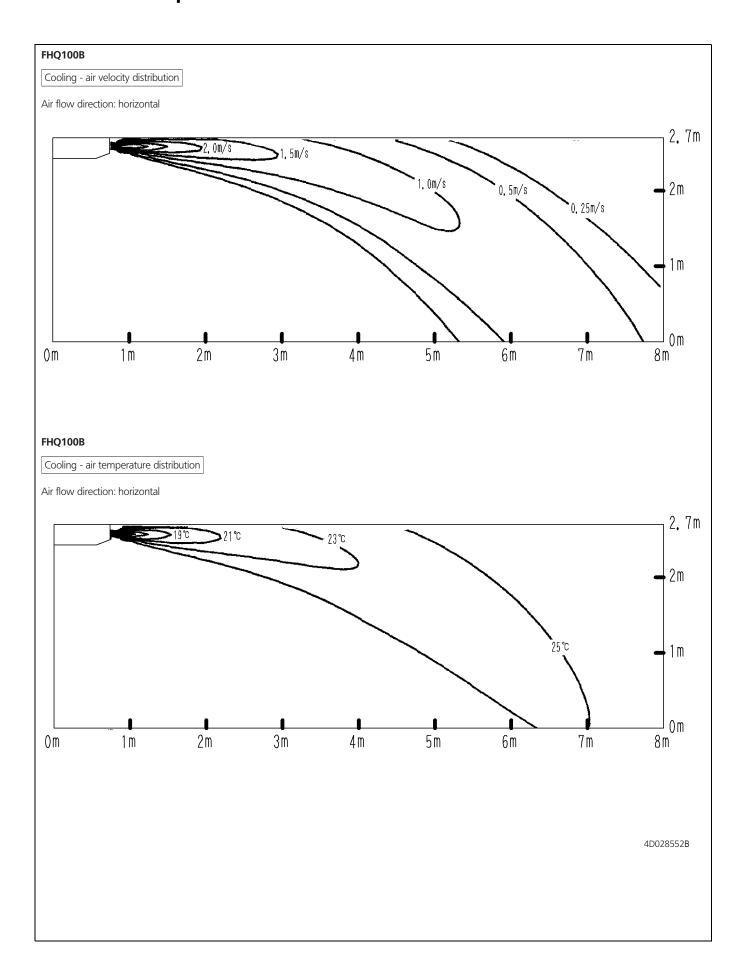
8 - 2 Sound pressure spectrum

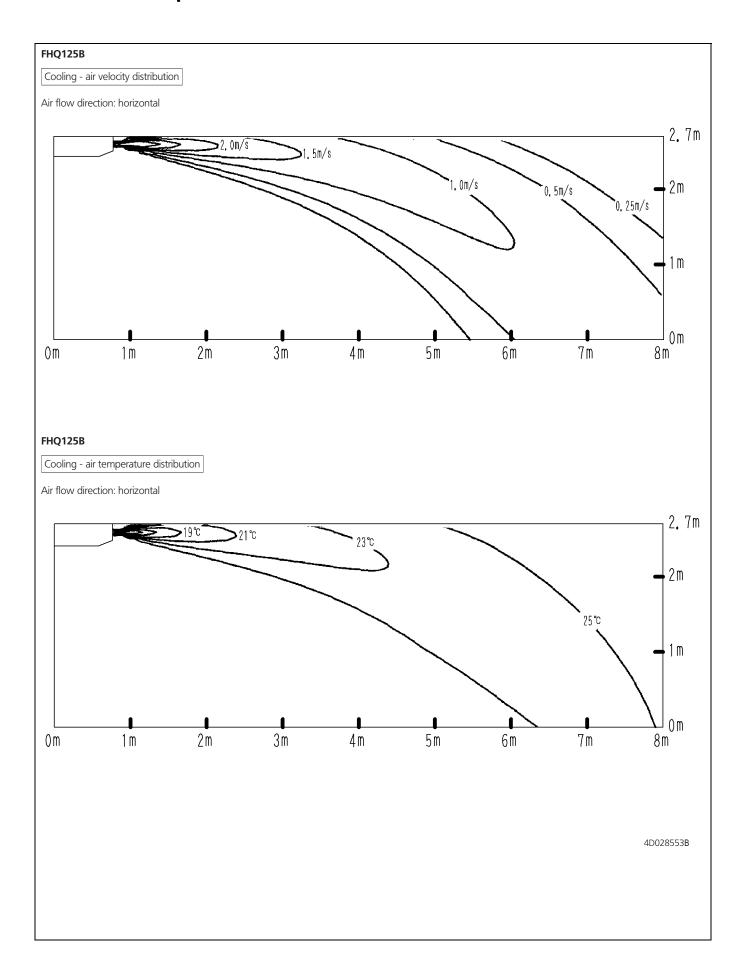


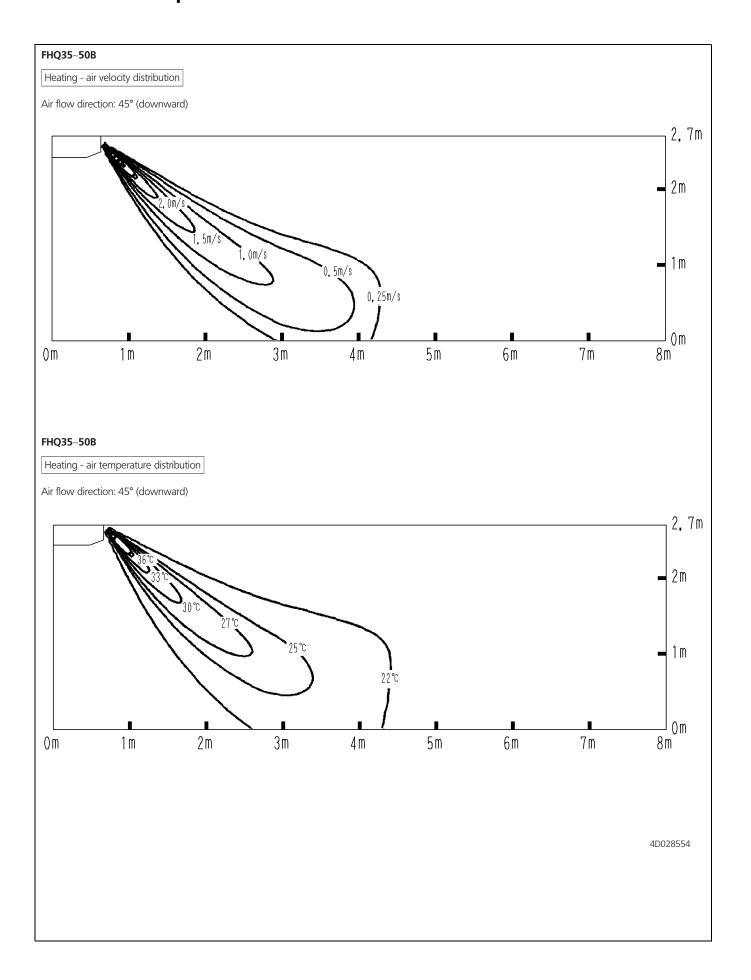


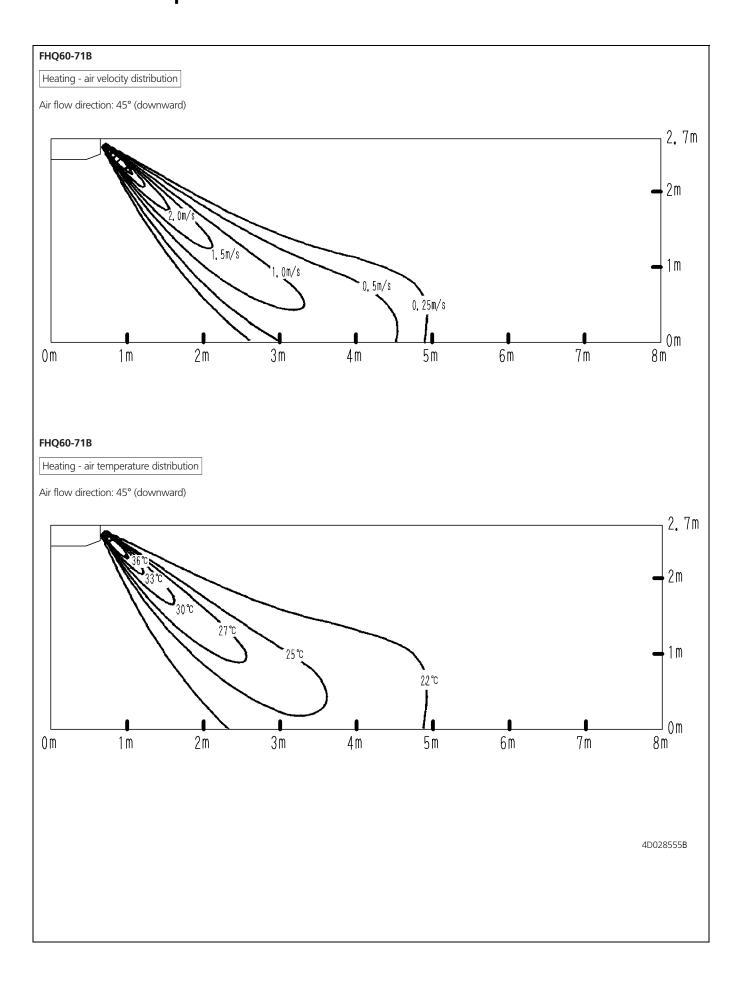


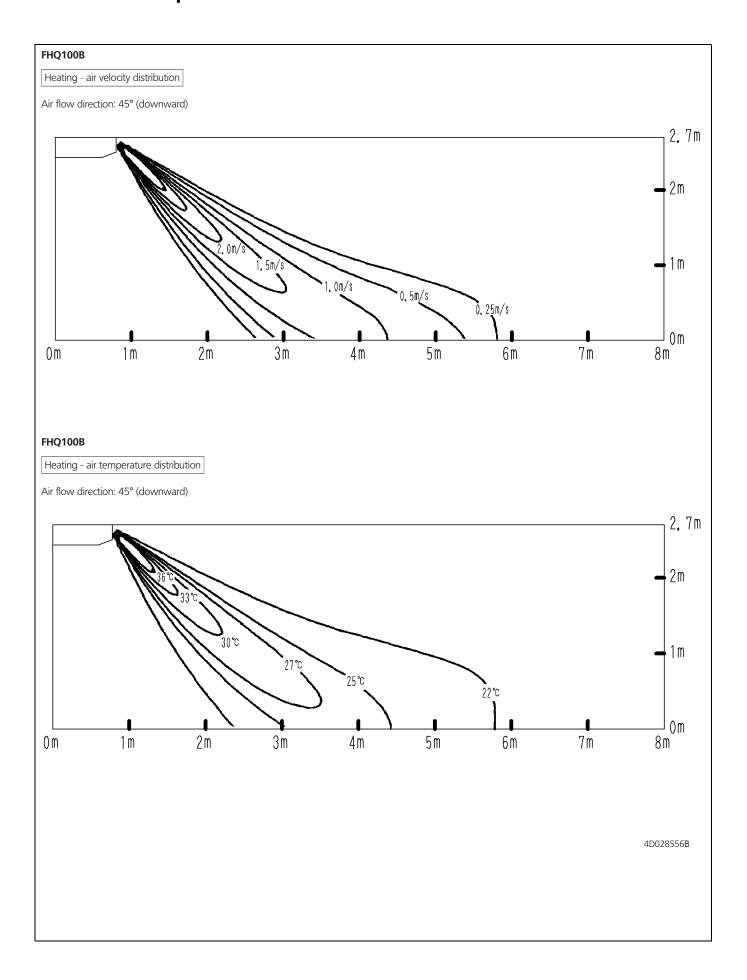


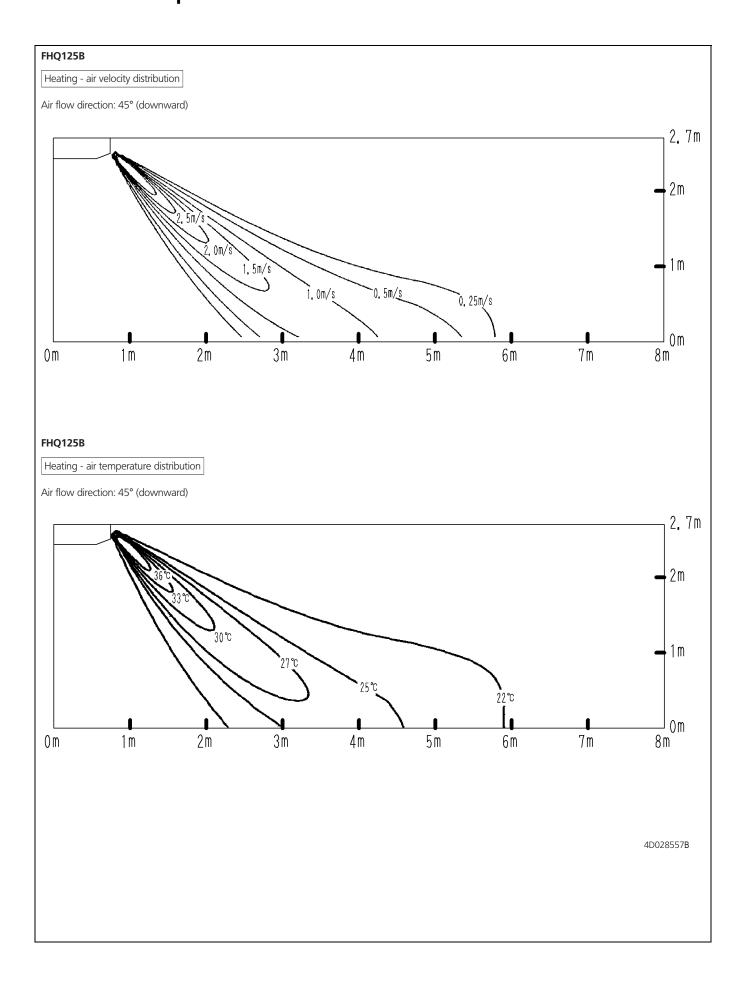














Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. 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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