

technical data



FCQ-DAV3B

4-Way Blow Ceiling Mounted Cassette air conditioning systems

Split Sky Air

TABLE OF CONTENTS

FCQ-DAV3B

1	Features
2	Specifications
3	Options 4
4	Dimensional drawing & centre of gravity
5	Piping diagram
6	Wiring diagram
7	Sound data Sound pressure spectrum Sound pressure spectrum
8	Air flow pattern

1 Features

- Compact&stylish
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- · Fits flush into each ceiling
- Extremely quiet in operation
- · Air can be discharged in any of 4 directions
- Possibility to shut 1 or 2 flaps for easy installation in corners or to use 1 or 2 branches
- Air flow distribution for ceiling heights up to 4.2m without loss of capacity.
- 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.









(heat pump)









(standard)

















(optional)







(2 steps)

(optional)

(twin application only)

(optional)

2 Specifications

2-1 TECHNICAL SPECIFICATIONS				FCQ71DAV3B	FCQ100DAV3B	FCQ125DAV3B	FCQ140DAV3B		
Casing	Colour			White					
Dimensions	Unit	Height mm		246	288	288	288		
		Width	mm	840	840	840	840		
		Depth	mm	840	840	840	840		
Weight	Unit kg		24.0	28.0	28.0	28.0			
Heat	Dimensions	Nr of Rows		2	2	2	2		
Exchanger		Fin Pitch	mm	1.20	1.20	1.20	1.20		
		Face Area	m²	0.454	0.544	0.544	0.544		
		Nr of Stages		10	12	12	12		
	Fin	Туре		Cross fin coil (Multi louver fins and Hi-XSS tubes)					
Fan	Туре			Turbo fan					
Air Flow Rate	Cooling	High	m³/min	19.0	30.0	30.0	30.0		
		Low	m³/min	14.0	21.0	24.0	25.0		
Fan	Motor	Model		QTS46F15M	QTS46E17M	QTS46E17M	QTS46E17M		
		Output (high)	W	30	120	120	120		
Cooling	Sound Power	High	dBA	50.0	58.0	58.0	58.0		
		Low	dBA	44.0	48.0	51.0	53.0		
	Sound	High	dBA	34.0	43.0	43.0	43.0		
	Pressure	Low	dBA	28.0	33.0	36.0	38.0		
Refrigerant	Туре	•		R-410A					
Piping	Liquid (OD)	Туре		Flare connection					
connections		Diameter (OD)	mm	9.5	9.5	9.5	9.5		
	Gas	Туре		Flare connection					
		Diameter (OD)	mm	15.9	15.9	15.9	15.9		
	Drain	Diameter (OD)	mm	I.D. 25/O.D. 32					
Decoration	Model	•		BYCP125DAW1					
Panel	Colour			White					
	Dimensions	Н	mm	45	45	45	45		
		W	mm	950	950	950	950		
		D	mm	950	950	950	950		
	Weight		kg	5.5	5.5	5.5	5.5		
Air Filter					Resin net with n	nold resistance			
Safety Devices					Low pressure switch	Low pressure switch	Low pressure switch		
					High press Fu:				
Notes				Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m, level difference : 0m.					
				Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m					
				In case of drain piping for the outdoor unit, a drain piping kit (option) is needed.					

2-2 ELECT	RICAL SPECIFICATIO	NS	FCQ71DAV3B	FCQ100DAV3B	FCQ125DAV3B	FCQ140DAV3B	
Power Supply	Name		V3				
	Phase		1	1	1	1	
	Frequency	Hz	50	50	50	50	
	Voltage	V	230	230	230	230	

3 Options

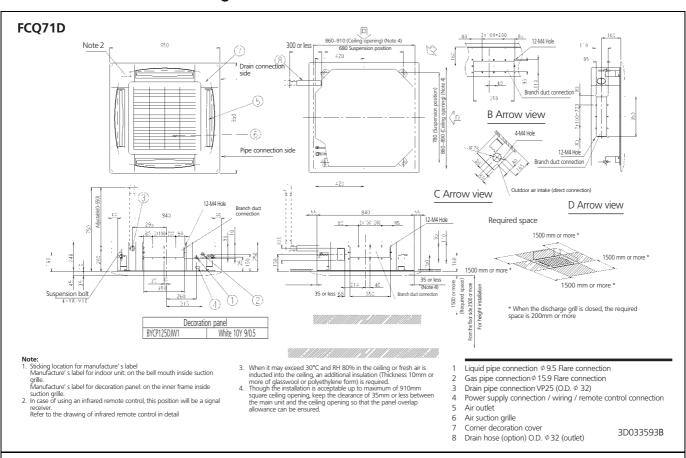
lt	Remark			FCQ~D				
Item			71	100	125	140		
Decoration panel		BYCP125DAW1						
Panel spacer	Panel spacer				KDB55K160WA			
	Chamber type	Without T-shape and fan	KDD55DA160					
Fresh air intake kit		With T-shape, without fan	KDD55DA160K					
	Direct installation type		KDDJ55XA160					
High efficiency filter	(Colorimetric method 65%)		KAF556DA80	KAF556DA160				
night eniciency filter	(Colorimetric method 90%)		KAF557DA80	KAF557DA160				
Replacement high effiency filter	(Colorimetric method 65%)		KAF552HA80		KAF552HA160			
Replacement high emericy lines	(Colorimetric method 90%)		KAF553HA80	KAF553HA160				
Filter chamber	Filter chamber				KDDF55DA160			
Long life filter	Long life filter				KAF551CA160			
Ultra-long life filter	Ultra-long life filter				KAF55DA160			
Replacement ultra long-life filter	Replacement ultra long-life filter				KAF55KA160H			
Branch duct chamber	Branch duct chamber				KDP55DA160			
Chamber connection kit	KKSJ55KA160							
Remote control	Wired type		BRC1D528					
Nemote control	Infrared type		BRC7EA51W					
Central remote control	Central remote control				DCS302CA51			
Unified ON/OFF control	DCS301BA51							
Schedule timer	DST301BA51							
Adapter for wiring	KRP1BA59 *1							
Wiring adapter for electrical appendice		KRP4AA53 *1						
Installation box for adapter PCB	KRP1DA98							

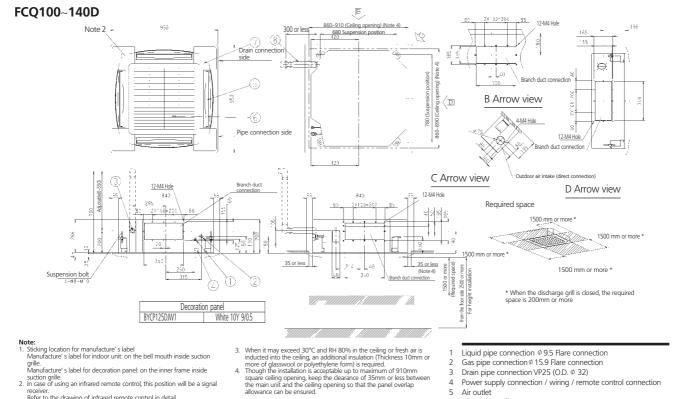
NOTE: *1: Installation box for adapter PCB (KRP1DA98) is necessary

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Dimensional drawing & centre of gravity

Dimensional drawing 4 - 1



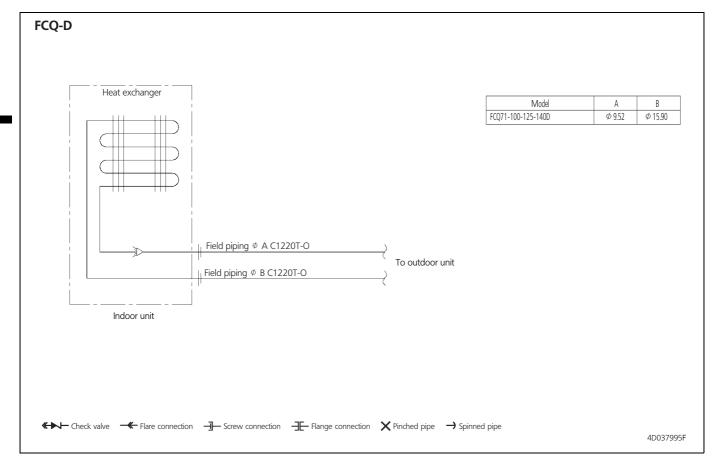


Air suction grille Corner decoration cover

Drain hose (option) O.D. ϕ 32 (outlet)

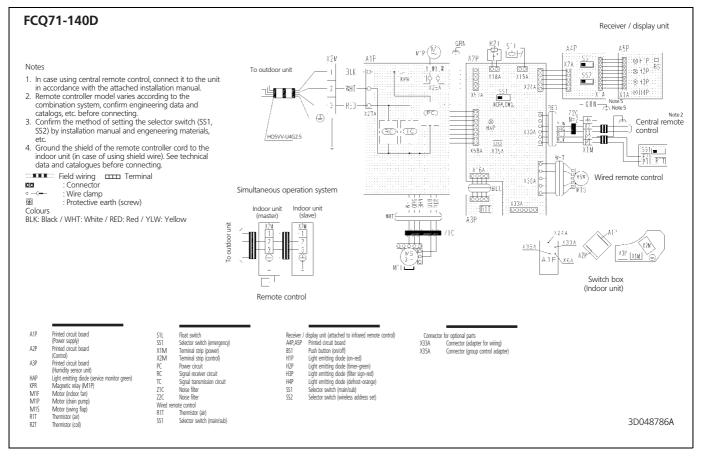
Refer to the drawing of infrared remote control in detail

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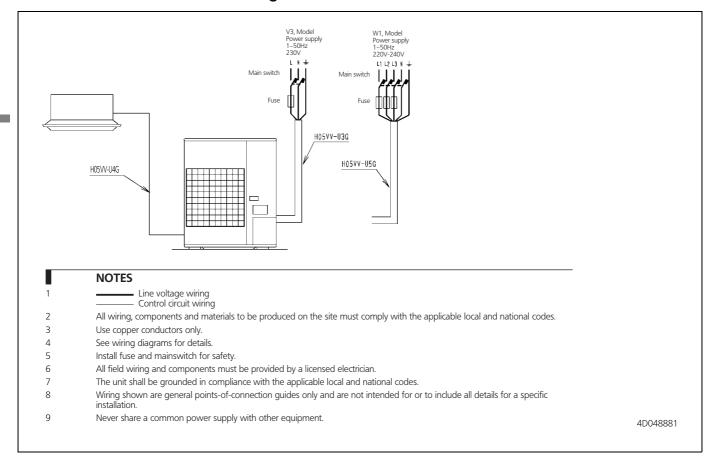
6 Wiring diagram

6 - 1 Wiring diagram



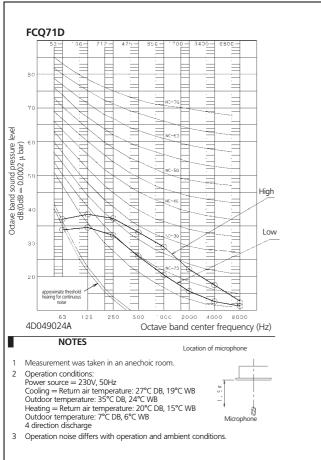
6 Wiring diagram

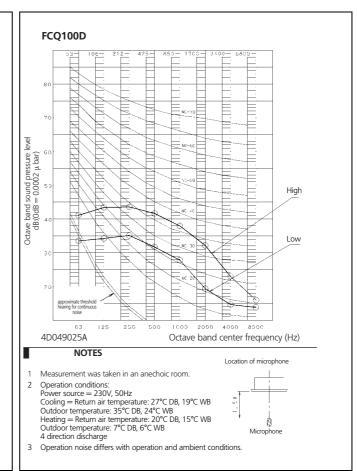
6 - 2 External connection diagram

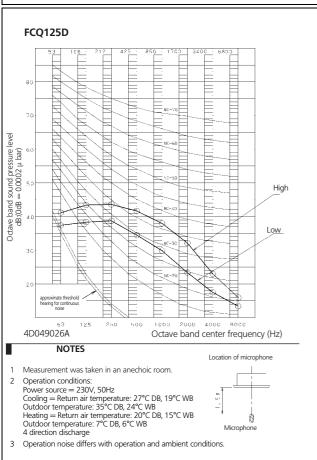


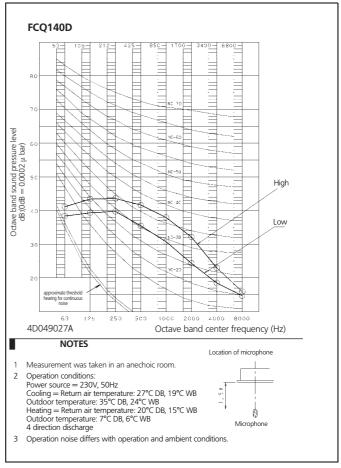
7 Sound data

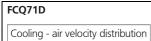
7 - 1 Sound pressure spectrum



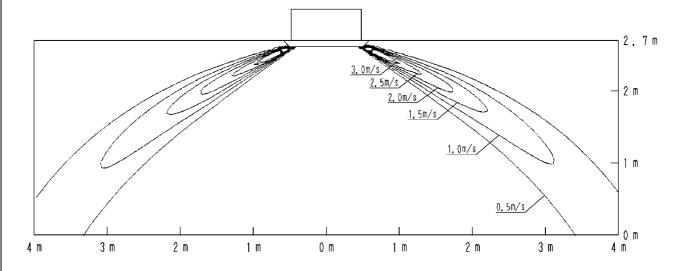








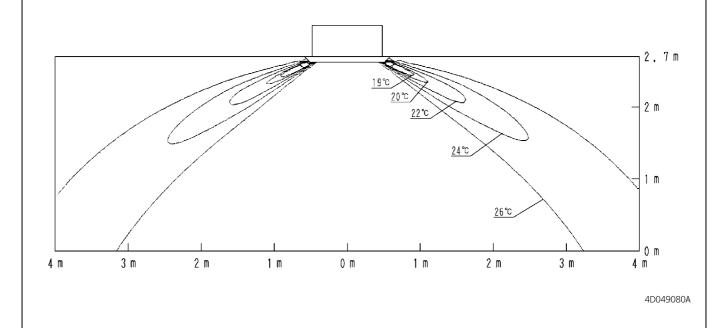
4-way discharge air flow direction: horizontal



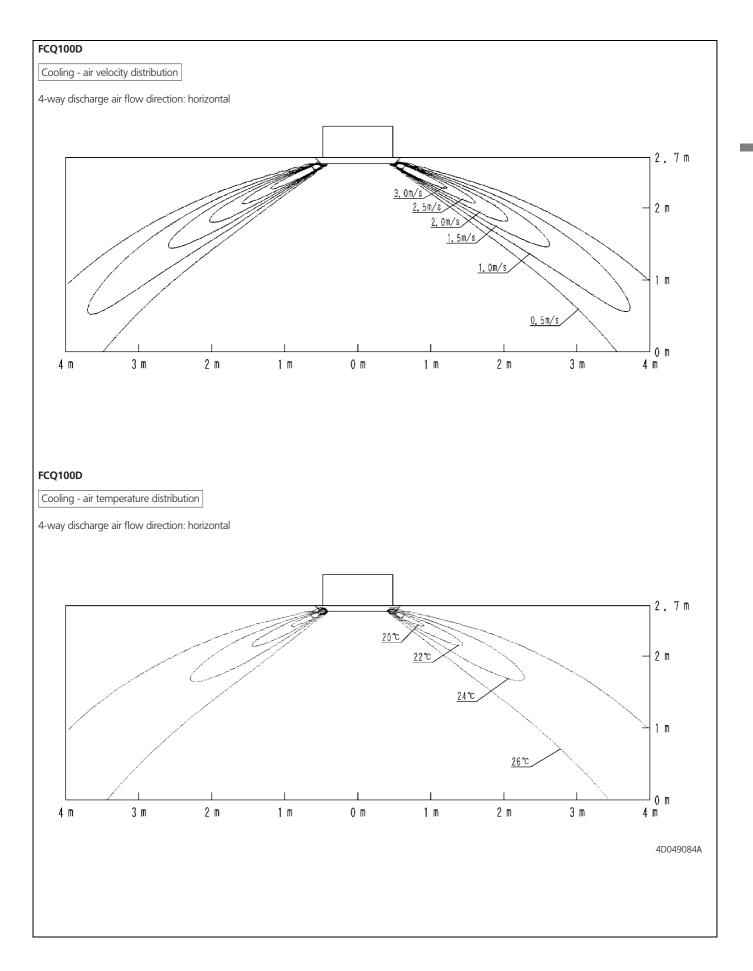
FCQ71D

Cooling - air temperature distribution

4-way discharge air flow direction: horizontal

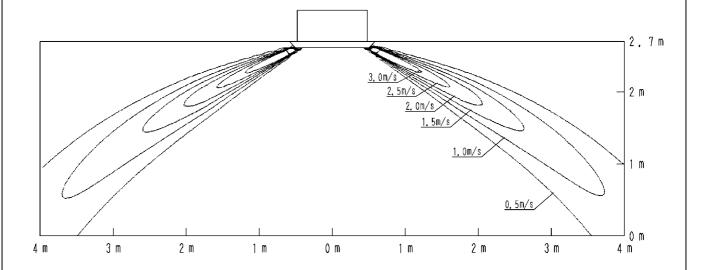


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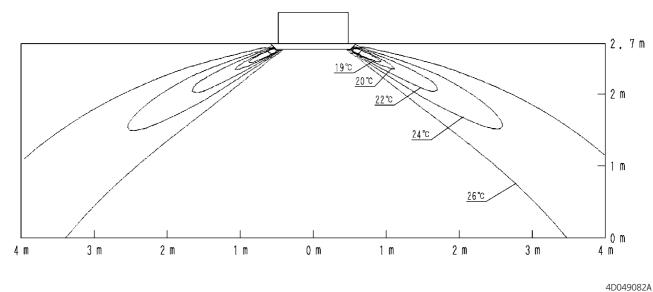
4-way discharge air flow direction: horizontal



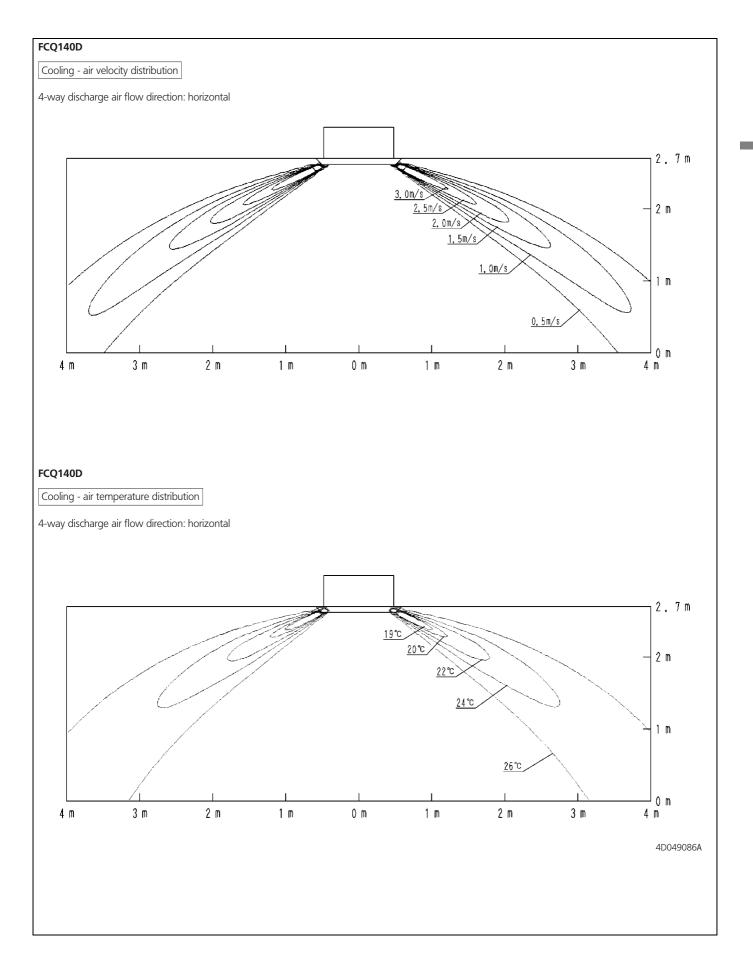
FCQ125D

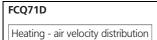
Cooling - air temperature distribution

4-way discharge air flow direction: horizontal

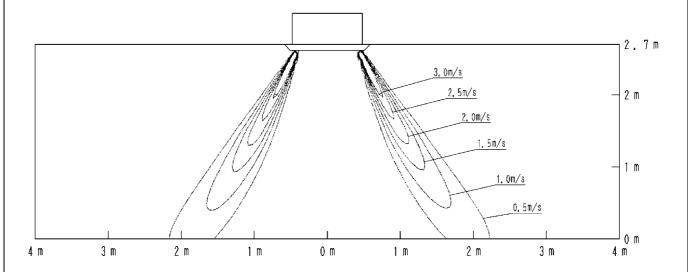


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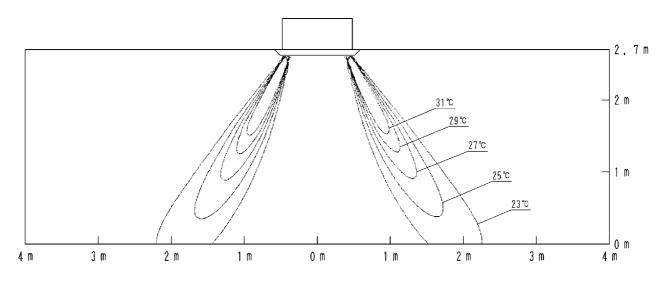
4-way discharge, air flow direction: down



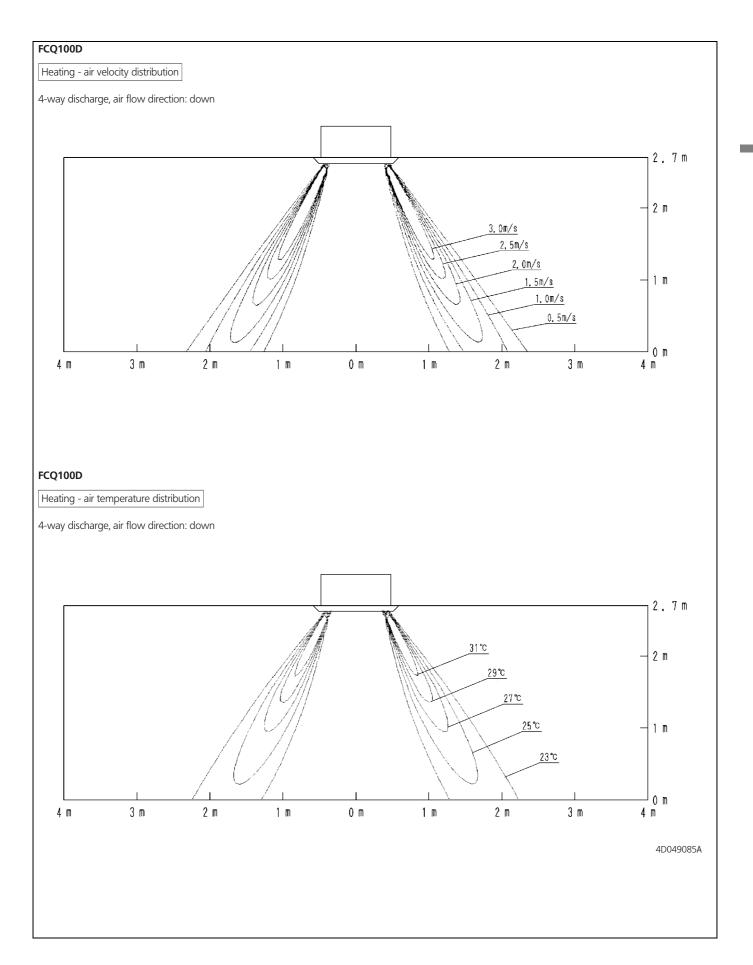
FCQ71D

Heating - air temperature distribution

4-way discharge, air flow direction: down



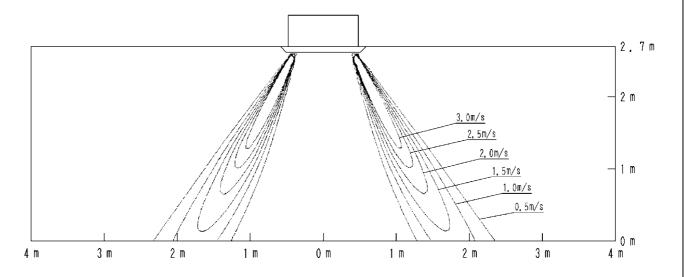
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FCQ125D

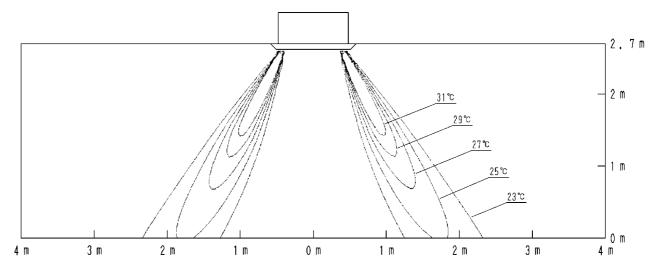
4-way discharge, air flow direction: down



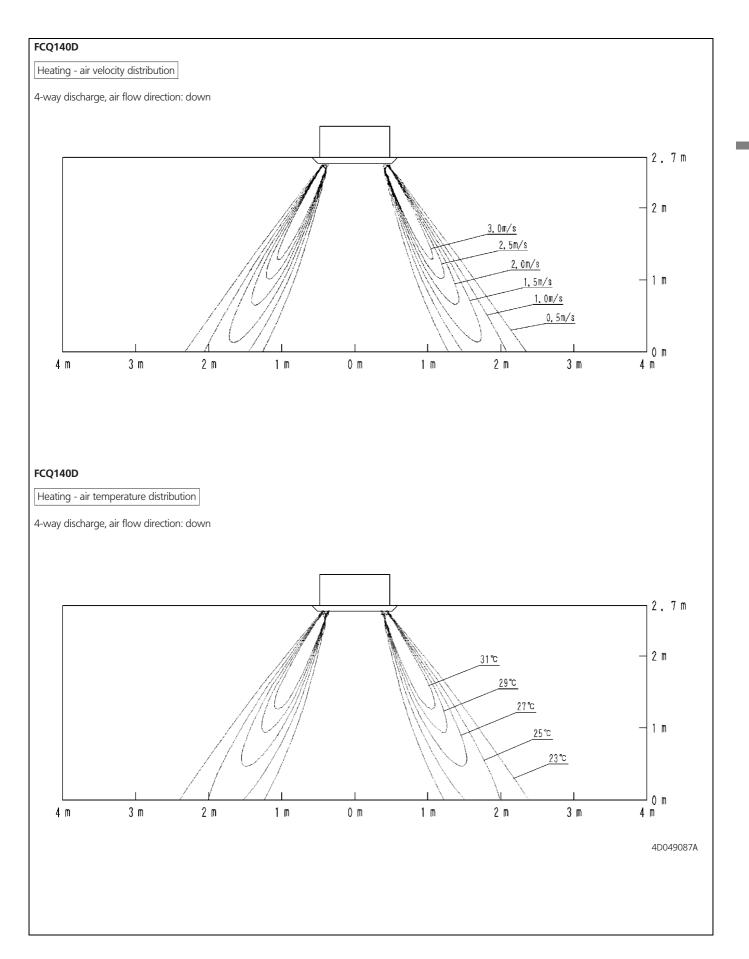
FCQ125D

Heating - air temperature distribution

4-way discharge, air flow direction: down



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Split - Sky Air

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