

## technical data



**FAQ-BVV1B** 

**Wall Mounted Unit** 

air conditioning systems

# Split Sky Air

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## FAQ-BVV1B

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#### 1 Features

- · Lightweight and compact
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- · Fits neatly on a wall
- Nice design and very compact casing
- Both horizontal flaps and front panel can easily be removed and washed
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- · Extremely quiet in operation
- Easy to install

- 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.











optional











heat pump









optional

2 steps

optional

## 2 Specifications

2-1 FOR INDOOR UNITS ONLY			FAQ71BVV1B	FAQ100BVV1B
Nominal Input	Cooling	kW	0.068	0.101
	Heating	kW	0.068	0.101

2-2 TECH	NICAL SPECI	FICATION	15	FAQ71BVV1B	FAQ100BVV1B	
Casing	Colour Material			W	hite	
				Resin		
Dimensions	Packing Height mm		mm	366	483	
		Width	mm	1147	1740	
		Depth	mm	337	299	
	Unit	Height	mm	290	360	
		Width	mm	1050	1570	
		Depth	mm	230	200	
Veight	Unit	<u> </u>	kg	13.0	26.0	
· ·	Packed Unit		kg	17.0	34.0	
leat	Dimensions	Length	mm	863	1320	
Exchanger		Nr of Rows		2	2	
		Fin Pitch mm		1.40	1.40	
		Nr of Pass		4	9	
		Face Area		0.289	0.332	
		Nr of Stage		16	12	
		Empty Tub			2	
		Hole			_	
	Tube type			Hi-XA	N-Hix	
	Fin Type			Cross fin coil (Multi louver fins and HI-XA tubes)	Cross fin coil (Multi louver fins and N-hix tubes)	
an	Туре	1 71		Cross flow fan		
	Quantity			1	1	
Air Flow Rate			m³/min	19.0	23.0	
		Low	m³/min	15.0	19.0	
	Heating	High	m³/min	19.0	23.0	
	Low		m³/min	15.0	19.0	
an	Motor Quantity  Model  Number of steps		1 /	1	1	
u.i				QCL9686M	QCL1163MA+QCL1163MB	
			stans	2	2	
		Output	W	43	49	
		(high)	•	40	10	
Cooling	Sound Power	High	dBA	59.0	61.0	
3		Low	dBA	53.0	57.0	
	Sound	High	dBA	43.0	45.0	
	Pressure	Low dBA		37.0	41.0	
Heating			dBA	59.0	61.0	
· <del>J</del>		Low	dBA	53.0	57.0	
	Sound	High	dBA	43.0	45.0	
	Pressure	Low	dBA	37.0	41.0	
Refrigerant	Туре	1	,		110A	
Piping	Liquid (OD)	Туре			nnection	
connections	Liquid (OD)	Diameter mm		9.5	9.5	
connections		(OD)		5.5	3.5	
	Gas Type		1	Flare co	connection	
		Diameter	mm	15.9	15.9	
		(OD)		10.0	10.5	
	Drain	Diameter	mm	VP13 (I.D. 13/O.D. 18)	VP20 (I.D. 20/O.D. 26)	
	(OD)			- (		
	Heat Insulation			Foamed polystyl	Foamed polystyrene/polyethylene	
Safety Devices				, , ,	PC board fuse	

## 2 Specifications

2-2 TECHNICAL SPECIFICATIONS		FAQ71BVV1B	FAQ100BVV1B	
Standard	Item	Installation and operation manual		
Accessories	Quantity	1	1	
	Item	Paper pattern for installation		
		Insulation tape		
		Installation panel		
		Screws		
			Insulation for fitting	
Notes		The sound pressure level is measured via a microphone at 1m distance of the unit.		
		Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to sound level drawings of this chapter.		
		The sound power level is an absolute value indicating the power which a sound source generates.		

2-3 ELECTRICAL SPECIFICATIONS		NS	FAQ71BVV1B	FAQ100BVV1B
Power Supply	Phase		V1	V1
	Frequency	Hz	50	50
	Voltage V		220-240	
Power Supply Intake			Outdoor unit only	

## 3 Safety device settings

FAQ71-100B						
Model	Safety devices	FAQ71B	FAQ100B			
FAQ~B	Fuse	_	-			
	Fan motor thermal fuse (°C)	_	-			
	Fan motor thermal protector (°C)	-	0FF: 130±5 0N: 83±20			
			DU423-9101L			

## 4 Options

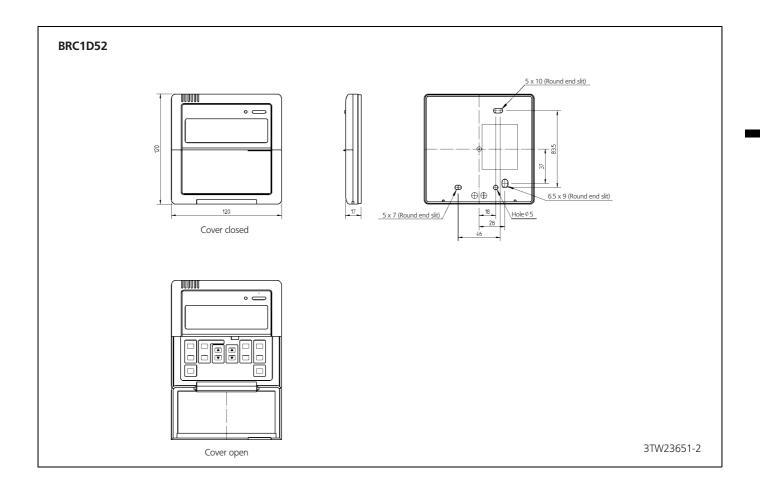
Optional accessories	FAQ71B	FAQ100B			
Remote control	Wired		BRC1	BRC1D528	
	Infrared type	Heat pump	BRC7EA618	BRC7CA510W	
		Cooling only	BRC7EA619	BRC7CA511W	
Wiring adapter for electrical appendices (2)*		·	*KRP	*KRP4A <b>A</b> 51	
Installation box for adapter PCB	KRP4A <b>A</b> 93	-			
Central remote control	DCS3	DCS302CA51			
Electrical box with earth terminal (3 blocks)	KJB3	KJB311AA			
Unified ON/OFF control	DCS3	DCS301BA51			
Electrical box with earth terminal (2 blocks)	KJB2	KJB212AA			
Noise filter (for electromagnetic interface use only)	KEK26-1A	-			
Schedule timer			DST30	DST301BA51	
Interface adapter for Sky Air series			-	DTA112B <b>A</b> 51	
Remote sensor	KRCS01-1A	-			
Drain up kit	K-KDU572CVE	-			
Connector for forced on, forced off			-	EKROROA	

3D044482A

#### Note:

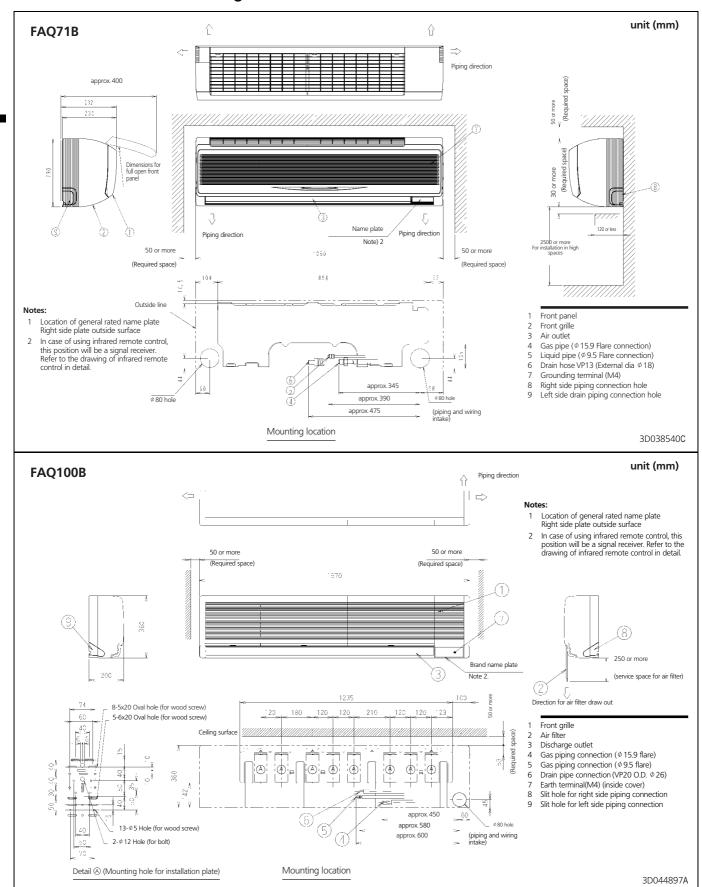
1. Installation box (KRP4AA93) is necessary for each adapter marked\*

## 5 Control systems

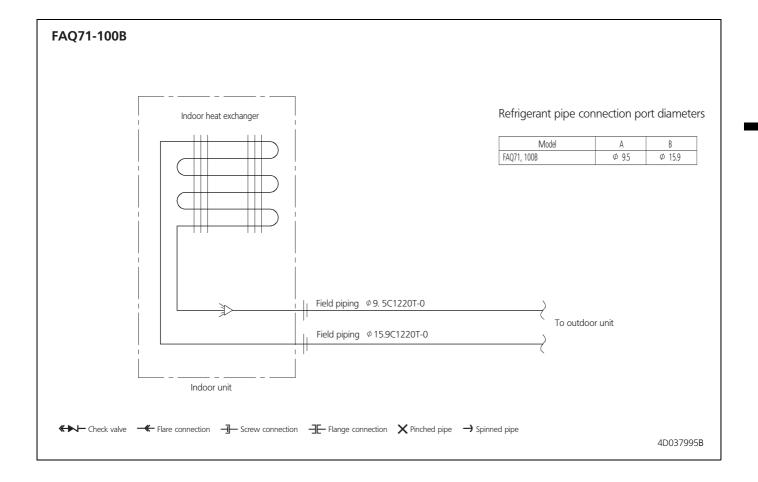


## 6 Dimensional drawing & centre of gravity

## 6 - 1 Dimensional drawing

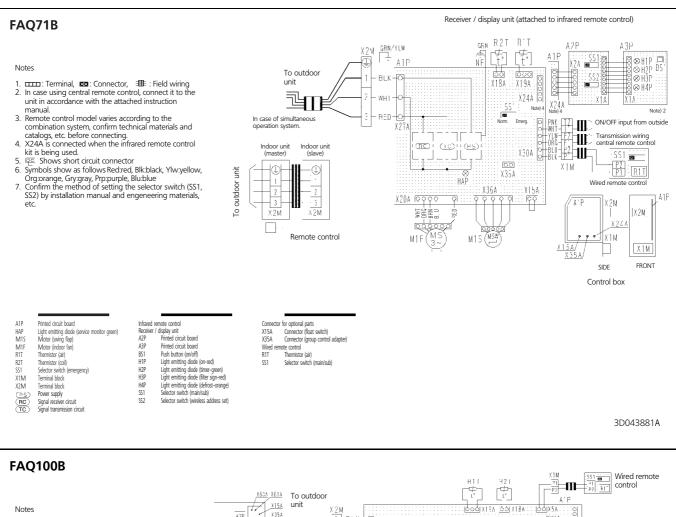


## 7 Piping diagram



#### 8 Wiring diagram

#### Wiring diagram 8 - 1



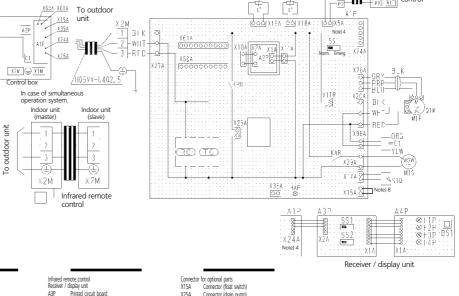
- : Terminal 🚾, ") : Connector
- 2. III : Field wiring
  3. In case using central remote control, connect it to the unit in accordance with the attached instruction manual. 4. X24A is connected when the infrared remote
- control kit is being used.

  5. Remote control model varies according to the
- combination system, confirm technical materials and catalogs, etc. before connecting.

  6. Symbols show as follows Redred, Blkblack, Ykwyellow, Orgorange, Gry.gray, Prp.purple, Blkblack
- Bluzblue

  7. Confirm the method of setting the selector switch (SS1, SS2) by installation manual and engeneering materials, etc.

  8. x15A, x25A are connected when the drain up kit is being used. Connect it to the kit in accordance
- with the attached installation manual.



A1P A2P Printed circuit board (Transformer) 230V/16V) Capacitor (M1F) C1R HAP KAR KPR M1F M1S Light emitting diode (service monitor green Magnetic relay (M1S) Magnetic relay (M1P)

Printed circuit board

Motor (indoor fan)
Motor (swing flap)
Thermo switch (M1F embedded)
Thermistor (air)

Q1M R1T R2T

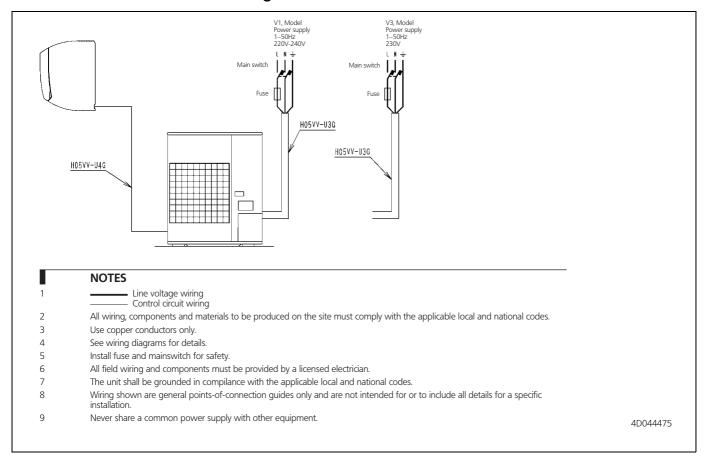
- Limit switch (swing flap) Selector switch (emergency V1TR X1M Phase control circuit Terminal block Terminal block Signal transmission circuit
- emote control / display unit Printed circuit board Printed circuit board Push button (on/off) rusn outron (ontor) Light emitting diode (on-red) Light emitting diode (timer-green) Light emitting diode (filter sign-red) Light emitting diode (defrost-orange) Selector switch (main/sub) Selector switch (wireless address set)

Connector (drain pump)
Connector (group control adapter)
Connector (interface adapter for sky air series) X25A X35A

3D044228A

## 8 Wiring diagram

## 8 - 2 External connection diagram



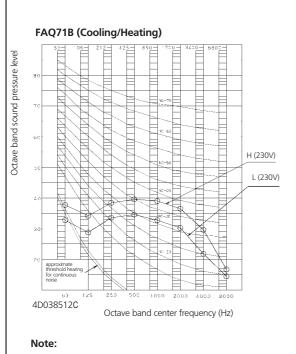
## 9 - 1 Sound level data

		Sound pressure le			
	23	0V		Sound power level	
Model	50Hz		Measuring location		
	Cooling H/L	Heating H/L		Cooling H/L	Heating H/L
FAQ71B	43/37	43/37		45/41	45/41
FAQ100B	59/53	59/53		61/57	61/57

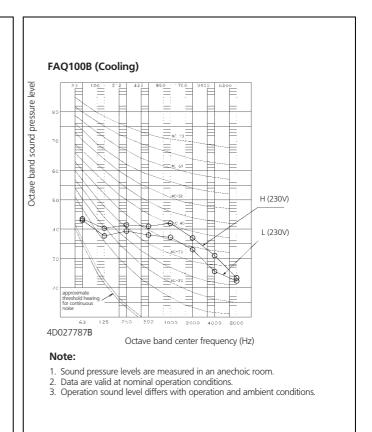
0

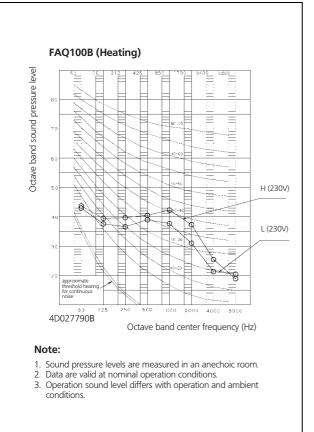
#### 9 Sound data

#### 9 - 2 Sound pressure spectrum

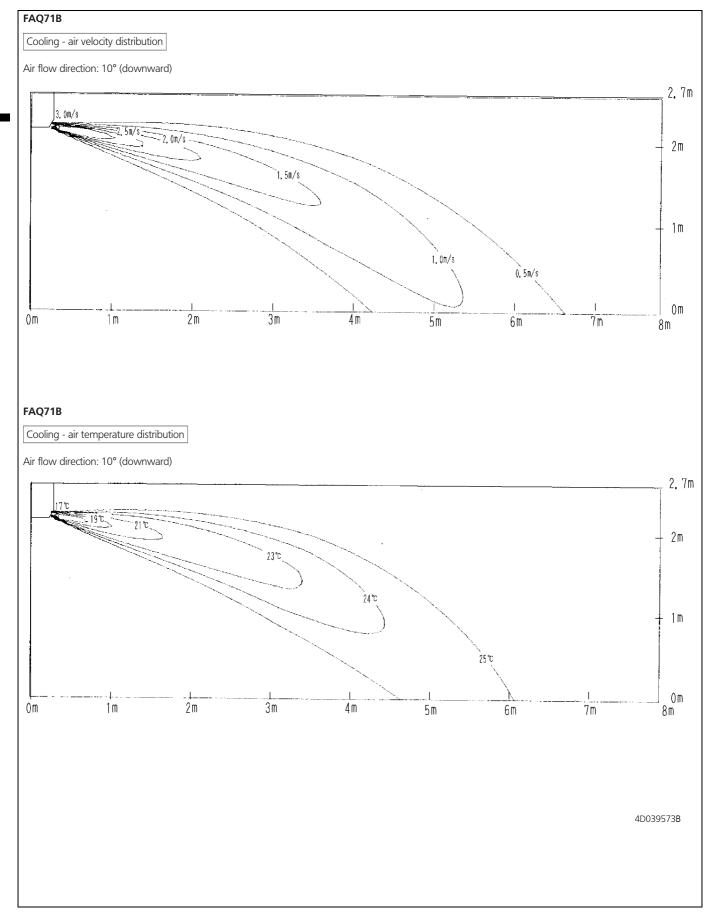


- Sound pressure levels are measured in an anechoic room.
   Data are valid at nominal operation conditions.
   Operation sound level differs with operation and ambient conditions.



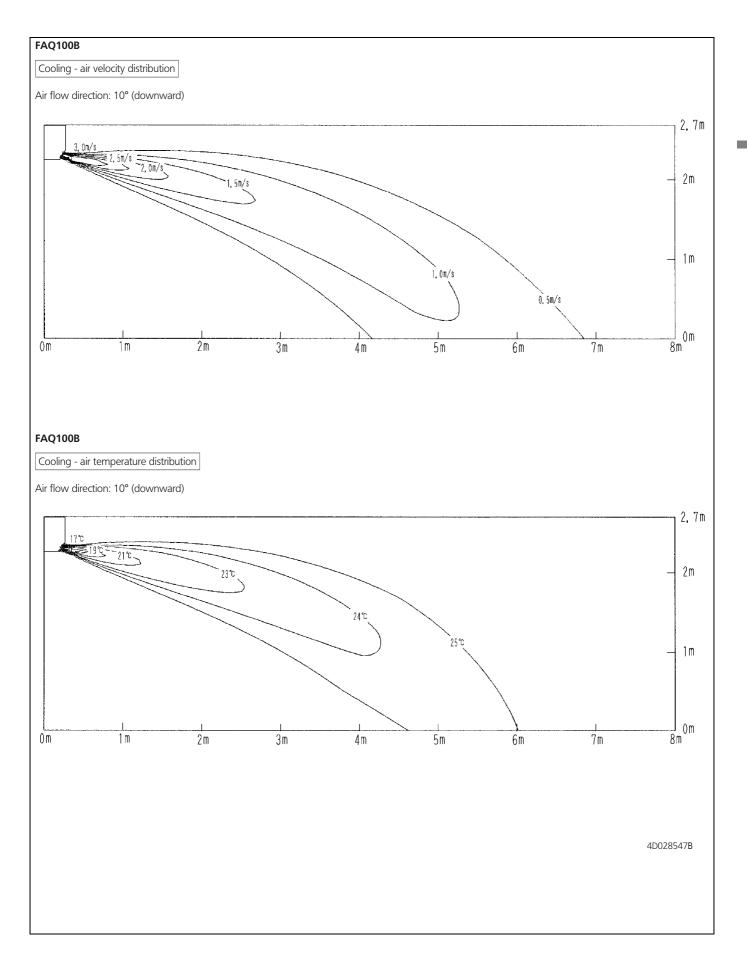


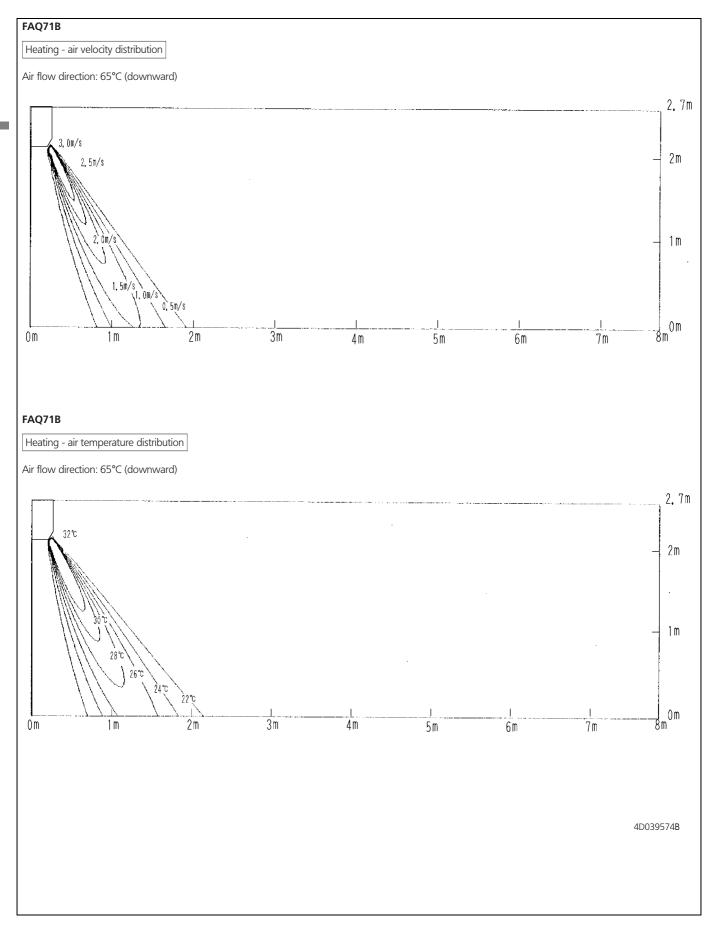
## 10 Air flow pattern



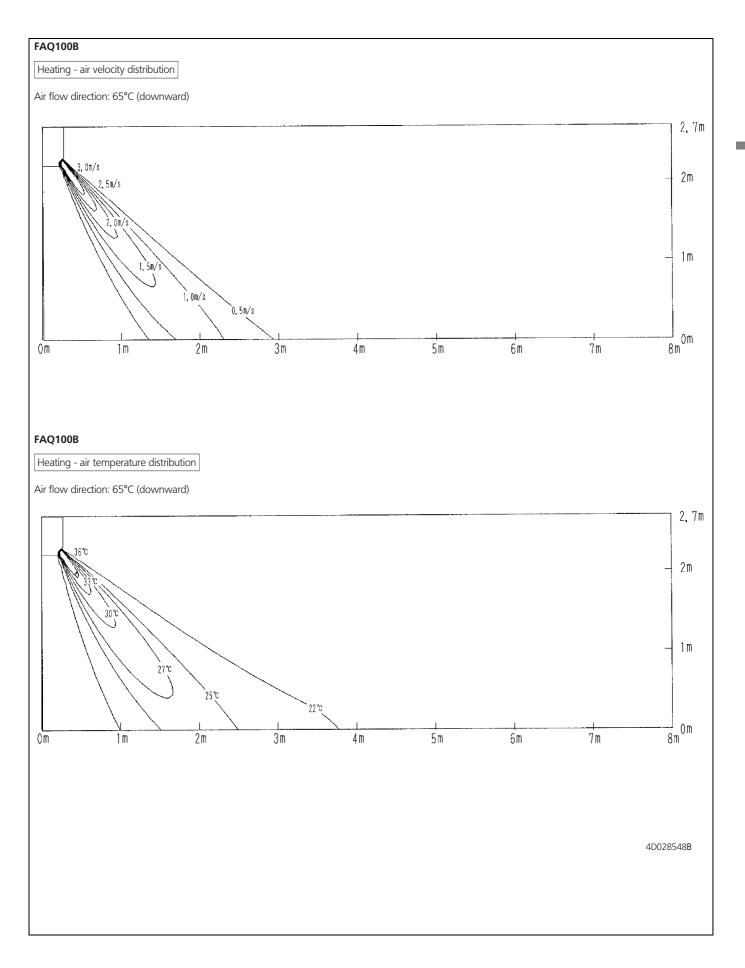
10

## 10 Air flow pattern



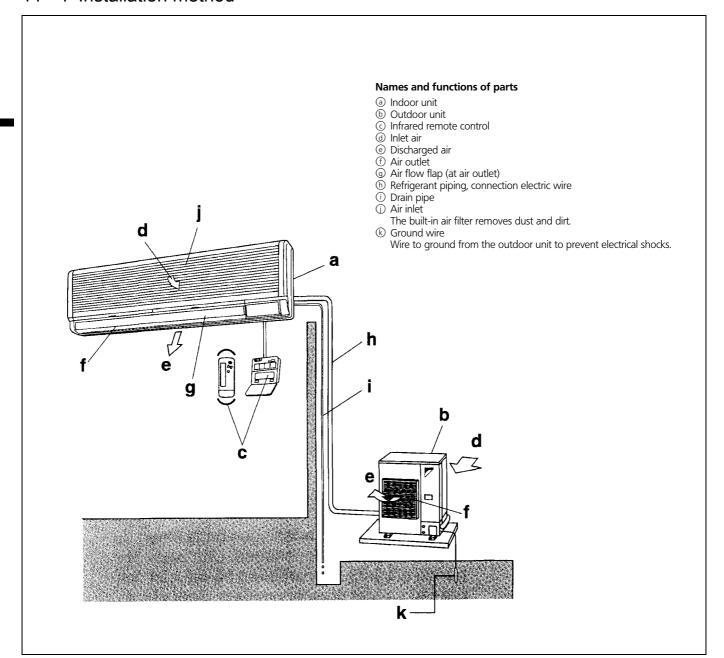


## 10 Air flow pattern



## 11 Installation

## 11 - 1 Installation method



11

# Split - Sky Air

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