



# technical data

**FHYP-B**



**Ceiling  
Suspended Unit**



air conditioning systems

# Split Sky Air

# Split - Sky Air



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment



Daikin units comply with the European regulations that guarantee the safety of the product.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



Daikin Europe N.V. is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.

Specifications are subject to change without prior notice.

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\* For capacity tables, please refer to part II: outdoor units





# 1 Features

1

- Leaves maximum floor and wall space for furniture, decoration and fittings
- Very compact casing (only 960 mm width)
- Extremely quiet in operation both indoors and outdoors
- Automatic air flow director ensures uniform air flow and temperature distribution
- Air flow distribution for ceiling heights up to 3.8m without loss of capacity
- The outdoor unit can easily be mounted on a roof, a terrace or placed against an outside wall.
- For equal distribution in larger rooms, up to 3 indoor units can be connected to 1 outdoor. They are operated from 1 remote control
- These indoor units can also be connected to the new sky air super inverter RZP-D.
- The wired remote control has a programmable timer
- Centralised control of several units can be achieved via 3 wired controls
  - centralised remote control
  - unified ON/OFF control
  - schedule timer



Optional



Optional



2 steps



35-125



## 2 Specifications



2

NOMINAL CAPACITY and NOMINAL INPUT					
For indoor units only:					
INDOOR UNITS			FHYP35BV1	FHYP45BV1	FHYP60BV1
NOMINAL INPUT	Cooling	kW	-	-	0.115
	Heating	kW	-	-	-

For combination indoor + outdoor units (air cooled):					
INDOOR UNITS			FHYP35BV1	FHYP45BV1	FHYP60BV1
OUTDOOR UNITS			-	-	-
CAPACITY (3)	Cooling	kW	Twin/triple/double twin application only: RP-L7/B7		
NOMINAL INPUT	Cooling	kW			
EER					
ENERGY LABEL	Cooling				
ANNUAL ENERGY CONSUMPTION	Cooling	kWh			

For combination indoor + outdoor units (air cooled):					
INDOOR UNITS			FHYP35BV1	FHYP45BV1	FHYP60BV1
OUTDOOR UNITS			-	-	-
CAPACITY (3)	Cooling	kW	Twin/triple/double twin application only: RYP-L7		
	Heating	kW			
NOMINAL INPUT	Cooling	kW			
	Heating	kW			
EER					
COP					
ENERGY LABEL	Cooling				
	Heating				
ANNUAL ENERGY CONSUMPTION	Cooling	kWh			

For combination indoor + outdoor units (air cooled):					
INDOOR UNITS			FHYP35BV1	FHYP45BV1	FHYP60BV1
OUTDOOR UNITS			-	-	-
CAPACITY (3)	Cooling	kW	Twin/triple/double twin application only: RYEP-L7		
	Heating	kW			
NOMINAL INPUT	Cooling	kW			
	Heating	kW			
EER					
COP					
ENERGY LABEL	Cooling				
	Heating				
ANNUAL ENERGY CONSUMPTION	Cooling	kWh			

For combination indoor + outdoor units (air cooled):					
INDOOR UNITS			FHYP45BV1	FHYP60BV1	
OUTDOOR UNITS			-	-	
CAPACITY (3)	Cooling	min~nom~max	kW	Twin application only: RZP-D	
	Heating	min~nom~max	kW		
NOMINAL INPUT	Cooling	min~nom~max	kW		
	Heating	min~nom~max	kW		
EER					
COP					
ENERGY LABEL	Cooling				
	Heating				
ANNUAL ENERGY CONSUMPTION	Cooling		kWh		

# 2 Specifications



2

NOMINAL CAPACITY and NOMINAL INPUT					
For indoor units only:					
INDOOR UNITS			FHYP71BV1	FHYP100BV1	FHYP125BV1
NOMINAL INPUT	Cooling	kW	0.117	0.135	0.144
	Heating	kW	-	-	-

For combination indoor + outdoor units (air cooled):					
INDOOR UNITS			FHYP71BV1	FHYP100BV1	FHYP125BV1
OUTDOOR UNITS			RP71L7V1/W1-RP71B7T1	RP100L7V1/W1-RP100B7T1	RP125L7W1-RP125B7T1
CAPACITY (3)	Cooling	kW	7.00	10.00	12.20/12.50
NOMINAL INPUT	Cooling	kW	2.68/2.62/2.61	3.75/3.72/3.62	4.53/4.69
EER			2.65/2.71/2.72	2.67/2.69/2.76	2.69/2.67
ENERGY LABEL	Cooling		D/D/D	D/D/D	D/D
ANNUAL ENERGY CONSUMPTION	Cooling	kWh	1,340/1,310/1,305	1,875/1,860/1,810	2,265/2,345

Note: FHYP35-45-60BV1: Twin/triple/double twin application only

For combination indoor + outdoor units (air cooled):					
INDOOR UNITS			FHYP71BV1	FHYP100BV1	FHYP125BV1
OUTDOOR UNITS			RYP71L7V1/W1	RYP100L7V1/W1	RYP125L7W1
CAPACITY (3)	Cooling	kW	7.10	10.00	12.20
	Heating	kW	8.00	11.20	14.00
NOMINAL INPUT	Cooling	kW	2.70/2.65	3.68/3.56	4.46
	Heating	kW	2.85/2.80	3.90/3.85	4.99
EER			2.63/2.68	2.72/2.74	2.74
COP			2.81/2.86	2.82/2.86	2.81
ENERGY LABEL	Cooling		D/D	D/D	D
	Heating		D/D	D/D	D
ANNUAL ENERGY CONSUMPTION	Cooling	kWh	1,350/1,325	1,840/1,825	2,230

Note: FHYP35-45-60BV1: Twin/triple/double twin application only

For combination indoor + outdoor units (air cooled):					
INDOOR UNITS			FHYP71BV1	FHYP100BV1	FHYP125BV1
OUTDOOR UNITS			RYEP71L7V1/W1	RYEP100L7V1/W1	RYEP125L7W1
CAPACITY (3)	Cooling	kW	7.10	10.00	12.20
	Heating	kW	8.00	11.00	14.00
NOMINAL INPUT	Cooling	kW	2.72/2.65	3.78/3.79	4.46
	Heating	kW	3.00/2.85	3.91/3.91	4.99
EER			2.61/2.68	2.65/2.64	2.74
COP			2.67/2.81	2.81/2.81	2.81
ENERGY LABEL	Cooling		D/D	D/D	D
	Heating		E/D	D/D	D
ANNUAL ENERGY CONSUMPTION	Cooling	kWh	1,360/1,325	1,890/1,895	2,230

Note: FHYP35-45-60BV1: Twin/triple/double twin application only

For combination indoor + outdoor units (air cooled):					
INDOOR UNITS			FHYP71BV1	FHYP100BV1	FHYP125BV1
OUTDOOR UNITS			RZP71DV1	RZP100DV1	RZP125DV1
CAPACITY (3)	Cooling	min~nom~max kW	3.29~7.12~7.99	5.00~9.99~11.41	5.94~12.49~14.32
	Heating	min~nom~max kW	3.48~8.02~9.00	5.63~11.20~12.81	6.00~14.01~16.20
NOMINAL INPUT	Cooling	min~nom~max kW	0.61~2.21~2.70	0.90~3.00~3.60	1.08~3.60~4.68
	Heating	min~nom~max kW	0.65~2.49~2.96	1.16~3.50~4.27	1.12~4.52~5.40
EER			3.22	3.33	3.47
COP			3.22	3.20	3.10
ENERGY LABEL	Cooling		A	A	A
	Heating		C	D	D
ANNUAL ENERGY CONSUMPTION	Cooling	kWh	1,105	1,500	1,800

Note: FHYP45-60BV1: Twin application only

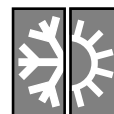
## 2 Specifications



2

TECHNICAL SPECIFICATIONS						
For indoor units only:						
INDOOR UNITS				FHYP35BV1	FHYP45BV1	FHYP60BV1
DIMENSIONS	Unit	H	mm	195		
		W	mm	960	1,160	
		D	mm	680		
WEIGHT	Unit	kg	23	24	26	
COLOUR	Decoration panel			White		
SOUND LEVEL	Sound pressure (cooling/heating) (1)	high	dB(A)	37/37	38/38	
		low	dB(A)	32/32	33/33	
	Sound power (cooling/heating) (2)	high	dB(A)	53/53	54/54	
		low	dB(A)	48/48	49/49	
FAN	Air flow rate (cooling/heating)	high	m <sup>3</sup> /min	13/13		16/16
		low	m <sup>3</sup> /min	10/10		13/13
	Speed	steps	2 steps			
	Type	Sirocco fan				
Qty x motor output		W	1 x 62			
HEAT EXCHANGER	Type			Cross fin coil (Multi lower fins and N-HiX tubes)		
	Rows x stages x fin pitch		mm	2 x 12 x 1.75	3 x 12 x 1.75	
	Face area		m <sup>2</sup>	0.182	0.233	
PIPING CONNECTIONS		liquid flare	mm	φ6.4	φ9.5	
		gas flare	mm	φ12.7	φ15.9	φ15.90
		drain I.D.	mm	φ25		
		drain O.D.	mm	φ32		
INSULATION MATERIAL	Heat insulation			Both liquid and gas pipes		
	Sound absorbing insulation			Flame and heat resistant foamed polyethylene, regular foamed polyethylene and foamed PU		
<b>For outdoor units only:</b>	Pair application			See chapters RP-L7/B7, RYP-L7, RYEP-L7, RZP-D		

## 2 Specifications

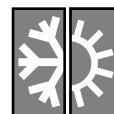


2

TECHNICAL SPECIFICATIONS						
For indoor units only:						
INDOOR UNITS				FHYP71BV1	FHYP100BV1	FHYP125BV1
DIMENSIONS	Unit	H	mm	195		
		W	mm	1,160	1,400	1,590
		D	mm	680		
WEIGHT	Unit	kg		27	32	35
COLOUR	Decoration panel			White		
SOUND LEVEL	Sound pressure (cooling/heating) (1)	high	dB(A)	39/39	42/42	44/44
		low	dB(A)	35/35	37/37	39/39
	Sound power (cooling/heating) (2)	high	dB(A)	55/55	58/58	60/60
		low	dB(A)	51/51	53/53	55/55
FAN	Air flow rate (cooling/heating)	high	m <sup>3</sup> /min	17/17	24/24	30/30
		low	m <sup>3</sup> /min	14/14	20/20	25/25
	Speed	steps		2 steps		
	Type	Sirocco fan				
HEAT EXCHANGER	Qty x motor output		W	1 x 62	1 x 130	
	Type	Cross fin coil (Multi lower fins and N-HiX tubes)				
	Rows x stages x fin pitch	mm		3 x 12 x 1.75		
PIPING CONNECTIONS	Face area		m <sup>2</sup>	0.233	0.293	0.341
		liquid flare	mm	φ9.5		
		gas flare	mm	φ15.90		φ19.10
		drain I.D.	mm	φ25		
drain O.D.		mm	φ32			
INSULATION MATERIAL	Heat insulation		Both liquid and gas pipes			
	Sound absorbing insulation		Flame and heat resistant foamed polyethylene, regular foamed polyethylene and foamed PU			
For outdoor units only:	Pair application			See chapters RP-L7/B7, RYP-L7, RYEP-L7, RZP-D		



## 2 Specifications



ELECTRICAL SPECIFICATIONS				
<b>For indoor units only:</b>				
				<b>FHYP35BV1</b>
				<b>FHYP45BV1</b>
				<b>FHYP60BV1</b>
CURRENT	Nominal running current	cooling/heating	A	See chapters RP-L7/B7, RYP-L7/B7, RYEP-L7, RZP-D
	Maximum running current	cooling/heating	A	See chapters RP-L7/B7, RYP-L7/B7, RYEP-L7, RZP-D
<b>For combination indoor units + outdoor units:</b>				
				<b>FHYP35BV1</b>
				<b>FHYP45BV1</b>
				<b>FHYP60BV1</b>
CURRENT	Nominal running current	cooling	A	Twin/triple/double twin application only: RP-L7/B7
	Maximum running current	cooling	A	
	Starting current	cooling	A	
<b>For combination indoor units + outdoor units:</b>				
				<b>FHYP35BV1</b>
				<b>FHYP45BV1</b>
				<b>FHYP60BV1</b>
CURRENT	Nominal running current	cooling/heating	A	Twin/triple/double twin application only: RYP-L7
	Maximum running current	cooling/heating	A	
	Starting current	cooling/heating	A	
<b>For combination indoor units + outdoor units:</b>				
				<b>FHYP35BV1</b>
				<b>FHYP45BV1</b>
				<b>FHYP60BV1</b>
CURRENT	Nominal running current	cooling/heating	A	Twin/triple/double twin application only: RYEP-L7
	Maximum running current	cooling/heating	A	
	Starting current	cooling/heating	A	
<b>For combination indoor units + outdoor units:</b>				
				<b>FHYP45BV1</b>
				<b>FHYP60BV1</b>
CURRENT	Nominal running current	cooling/heating	A	Twin application only: RZP-D
	Maximum running current	cooling/heating	A	
	Starting current	cooling/heating	A	
<b>For indoor units only:</b>				
POWER SUPPLY				V1
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase			1~
	Frequency	Hz		50
	Voltage	V		230

### NOTES

- 1 Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB \* outdoor temperature 35°CDB \* refrigerant piping length: 7.5m \* level difference: 0m.
- 2 Nominal heating capacities are based on: indoor temperature: 20°CDB \* outdoor temperature: 7°CDB/6°CWB \* refrigerant piping length: 7.5m \* level difference 0m.
- 3 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- 4 The sound pressure level is measured at 1.5m distance from the unit. It is a relative value, depending on the distance and acoustic environment. For measuring conditions: please refer to item 6 of this chapter.
- 5 The sound power level is an absolute value indicating the "power" which a sound source generates.
- 6 Energy label: scale from A (most efficient) to G (less efficient).
- 7 Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions).

## 2 Specifications



2

ELECTRICAL SPECIFICATIONS				FHYP71BV1	FHYP100BV1	FHYP125BV1
<b>For indoor units only:</b>						
CURRENT	Nominal running current	cooling/heating	A	See chapters RP-L7/B7, RYP-L7, RYEP-L7, RZP-D		
	Maximum running current	cooling/heating	A	See chapters RP-L7/B7, RYP-L7, RYEP-L7, RZP-D		

<b>For combination indoor units + outdoor units:</b>				FHYP71BV1	FHYP100BV1	FHYP125BV1
				RP71L7V1/W1-RP71B7T1	RP100L7V1/W1-RP100B7T1	RP125L7W1-RP125B7T1
CURRENT	Nominal running current	cooling	A	See chapter RP-L7/B7		
	Maximum running current	cooling	A			
	Starting current	cooling	A			

Note: FHYP35-45-60BV1: Twin/triple/double twin application only

<b>For combination indoor units + outdoor units:</b>				FHYP71BV1	FHYP100BV1	FHYP125BV1
				RYP71L7V1/W1	RYP100L7V1/W1	RYP125L7W1
CURRENT	Nominal running current	cooling/heating	A	See chapter RYP-L7		
	Maximum running current	cooling/heating	A			
	Starting current	cooling/heating	A			

Note: FHYP35-45-60BV1: Twin/triple/double twin application only

<b>For combination indoor units + outdoor units:</b>				FHYP35BV1	FHYP45BV1	FHYP60BV1
				RYEP71L7V1/W1	RYEP100L7V1/W1	RYEP125L7W1
CURRENT	Nominal running current	cooling/heating	A	See chapter RYEP-L7		
	Maximum running current	cooling/heating	A			
	Starting current	cooling/heating	A			

Note: FHYP35-45-60BV1: Twin/triple/double twin application only

<b>For combination indoor units + outdoor units:</b>				FHYP71BV1	FHYP100BV1	FHYP125BV1
				RZP71DV1	RZP100DV1	RZP125DV1
CURRENT	Nominal running current	cooling/heating	A	See chapter RZP-D		
	Maximum running current	cooling/heating	A			
	Starting current	cooling/heating	A			

Note: FHYP45-60BV1: Twin application only

<b>For indoor units only:</b>				FHYP71BV1	FHYP100BV1	FHYP125BV1
POWER SUPPLY				V1	V1	V1
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase		1~	1~	1~	
	Frequency	Hz	50	50	50	
	Voltage	V	230	230	230	

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### NOTES

- Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB \* outdoor temperature 35°CDB \* refrigerant piping length: 7.5m \* level difference: 0m.
- Nominal heating capacities are based on: indoor temperature: 20°CDB \* outdoor temperature: 7°CDB/6°CWB \* refrigerant piping length: 7.5m \* level difference 0m.
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- The sound pressure level is measured at 1.5m distance from the unit. It is a relative value, depending on the distance and acoustic environment. For measuring conditions: please refer to item 6 of this chapter.
- The sound power level is an absolute value indicating the "power" which a sound source generates.
- Energy label: scale from A (most efficient) to G (less efficient).
- Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions).



# 3 Dimensional drawings

### FHYP35-45BV1

**Note:**

1. Location of unit's name plate: bottom of fan housing inside the suction grille.
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
3. The remote control code is the standard (about 3m outside the machine) attached, (0.5 mm<sup>2</sup> x 2 Wicks x O.D. φ 5.4) (It is not attached in VRV.)

**Legend:**

- 1 Air discharge grille
- 2 Air suction grille
- 3 Air filter
- 4 Gas pipe connection φ 12.7 flare
- 5 Liquid pipe connection φ 6.4 flare
- 6 Drain pipe connection VP20
- 7 Earth terminal (inside the electric components box) M4
- 8 Suspension bracket
- 9 Backward piping and wiring connection opening lid
- 10 Upward piping and wiring connection opening lid
- 11 Right side pipe connection - slit hole
- 12 Left back drain pipe connection - slit hole
- 13 Right side drain pipe connection - slit hole
- 14 Right side drain piping connection hole- slit hole
- 15 Hole of wall for taking out in piping back φ 100
- 16 Upward drain pipe connection φ 60
- 17 Upward gas pipe connection φ 36
- 18 Upward liquid pipe connection φ 26

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### FHYP60-71BV1

**Note:**

1. Location of unit's name plate: bottom of fan housing inside the suction grille.
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
3. The remote control code is the standard (about 3m outside the machine) attached, (0.5 mm<sup>2</sup> x 2 Wicks x O.D. φ 5.4) (It is not attached in VRV.)

**Legend:**

- 1 Air discharge grille
- 2 Air suction grille
- 3 Air filter
- 4 Gas pipe connection φ 15.9 flare
- 5 Liquid pipe connection φ 9.5 flare
- 6 Drain pipe connection VP20
- 7 Earth terminal (inside the electric components box) M4
- 8 Suspension bracket
- 9 Backward piping and wiring connection opening lid
- 10 Upward piping and wiring connection opening lid
- 11 Right side pipe connection - slit hole
- 12 Left back drain pipe connection - slit hole
- 13 Right side drain pipe connection - slit hole
- 14 Right side drain piping connection hole- slit hole
- 15 Hole of wall for taking out in piping back φ 100
- 16 Upward drain pipe connection φ 60
- 17 Upward gas pipe connection φ 36
- 18 Upward liquid pipe connection φ 26

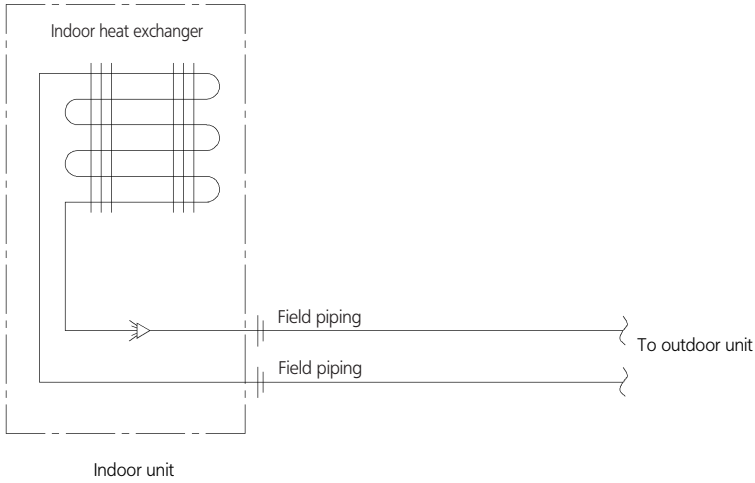
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# 4 Piping diagrams

## FHYP35~125B



Refrigerant pipe connection port diameters

Model	A	B
FHYP35-45BV1	6.4	12.7
FHYP60-71BV1	9.5	15.9
FHYP100-125BV1	9.5	19.1

Check valve  
 Flare connection  
 Screw connection  
 Flange connection  
 Pinched pipe  
 Spinned pipe

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# 5 Wiring diagrams

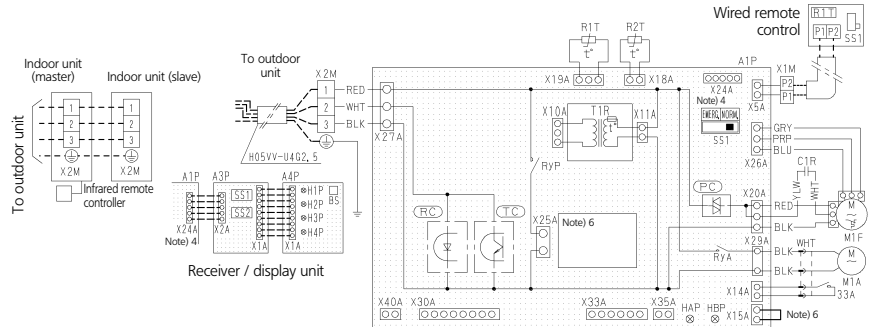
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## FHYP35~125BV1

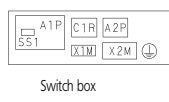
In case of simultaneous operation system.

**Notes**

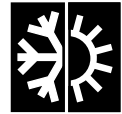
- Terminal: ; Connector: ; Protective earth (screw):
- Field wiring:
- In case using central remote control, connect it to the unit in accordance with the attached instruction manual.
- X24A is connected when the infrared remote control kit is being used.
- Remote controller model varies according to the combination system, confirm technical materials and catalogs, etc. before connecting.
- Symbols show as follows Red:red, Blk:black, Ylv:yellow, Org:orange, Gry:gray, Prp:purple, Blu:blue
- Confirm the method of setting the selector switch (SS1, SS2) by installation manual and engineering materials, etc.



1-RED, 2-WHITE, 3-BLACK	RYA	Magnetic relay (M1A)	SS1	Selector switch (main/sub)	SS2	Selector switch (wireless address set)
33A	RYP	Magnetic relay (M1P)	Infrared remote control	Infrared remote control	Connector for optional parts	
A1P	SS1	Selector switch (emergency)	Receiver / display unit	Receiver / display unit	X15A	Connector (float switch)
C1R	T1R	Transformer	A3P	Printed circuit board	X25A	Connector (drain pump)
HAP	X1M	Terminal strip	A4P	Printed circuit board	X30A	Connector (interface adapter for sky air series)
HBP	X2M	Terminal strip	BS	Push button (on/off)	X33A	Connector (adapter for wiring)
M1A	RC	Signal receiver circuit	H1P	Light emitting diode (service monitor red)	X35A	Connector (group control adapter)
M1F	TC	Signal transmission circuit	H2P	Light emitting diode (service monitor green)	X40A	Connector
Q1F	PC	Phase control circuit	H3P	Light emitting diode (service monitor red)		ON/OFF input from outside
R1T	Wired remote control		H4P	Light emitting diode (service monitor orange)		
R2T	Thermistor (air)		SS1	Selector switch (main/sub)		



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# 6 Sound level

## 6-1 Sound level data

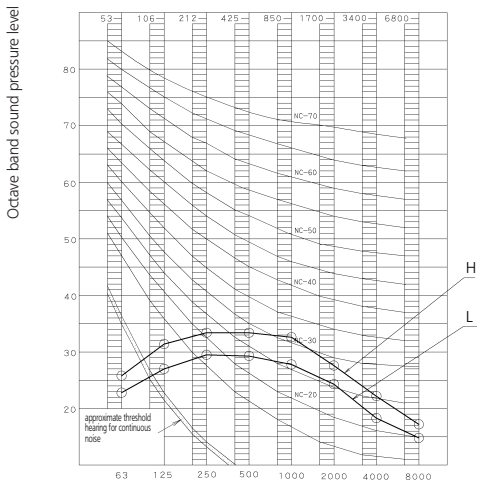
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6-1

Model	Sound pressure level		Measuring location	Sound power level (H) (cooling/heating)
	230V			
	H (cooling/heating)	L (cooling/heating)		
FHYP35B	37/37	32/32		53/53
FHYP45B	38/38	33/33		54/54
FHYP60B	38/38	33/33		54/54
FHYP71B	39/39	35/35		55/55
FHYP100B	42/42	37/37		58/58
FHYP125B	44/44	39/39		60/60

## 6-2 Sound pressure spectrum

Cooling only

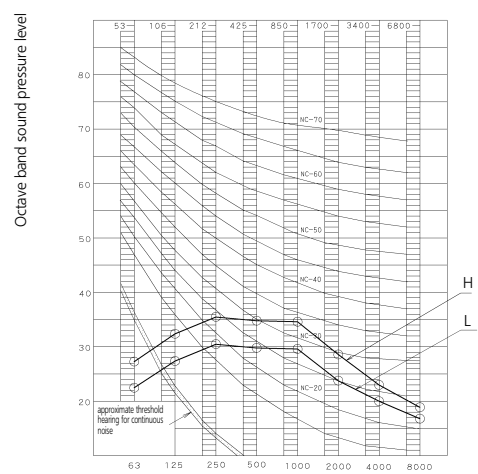
FHYP35BV1



4D028280A

Octave band center frequency (Hz)

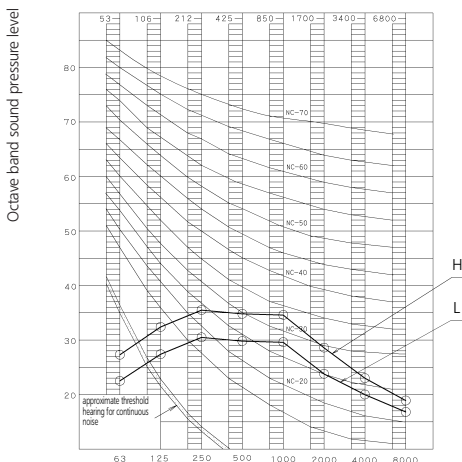
FHYP45BV1



4D028281A

Octave band center frequency (Hz)

FHYP60BV1



4D028282

Octave band center frequency (Hz)

### NOTES

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



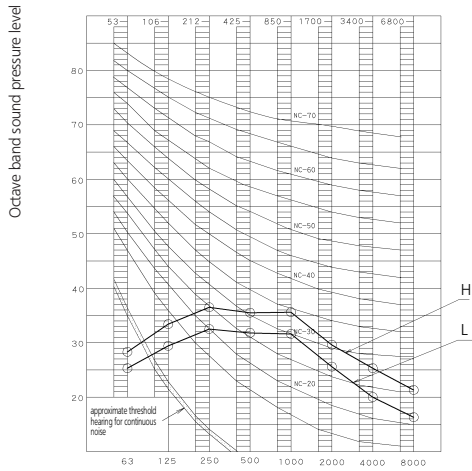
# 6 Sound level

## 6-2 Sound pressure spectrum

### 6 Heat pump

6-2

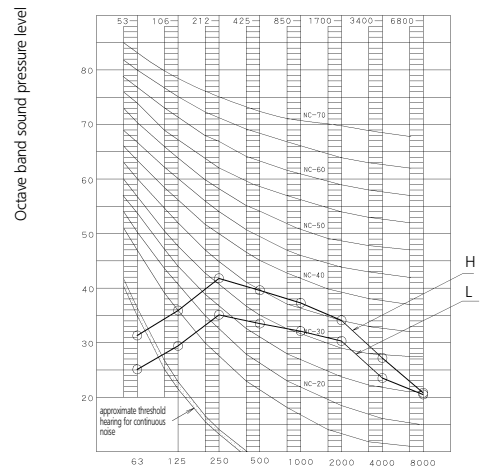
**FHYP71BV1**



4D028355

Octave band center frequency (Hz)

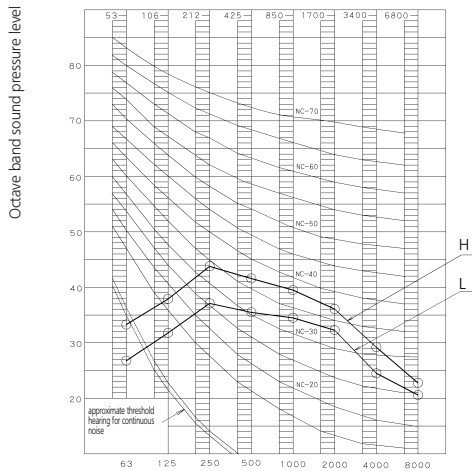
**FHYP100BV1**



4D028283

Octave band center frequency (Hz)

**FHYP125BV1**



4D028284

Octave band center frequency (Hz)

### NOTES

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



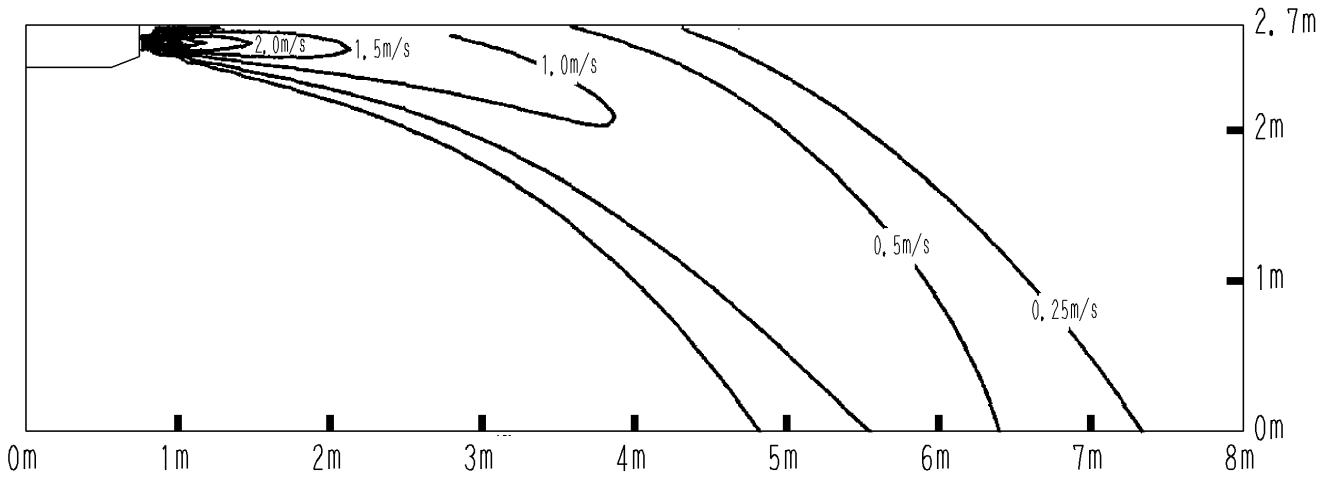


# 7 Air flow patterns

## FHYP35-45BV1

Cooling - air velocity distribution

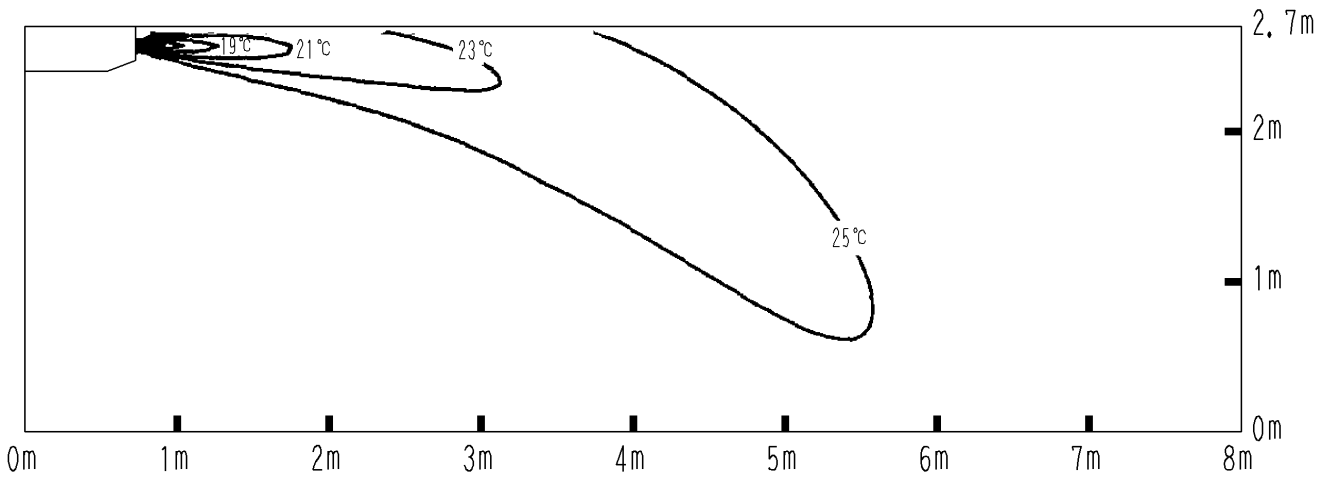
Air flow direction: horizontal



## FHYP35-45BV1

Cooling - air temperature distribution

Air flow direction: horizontal



4D028550

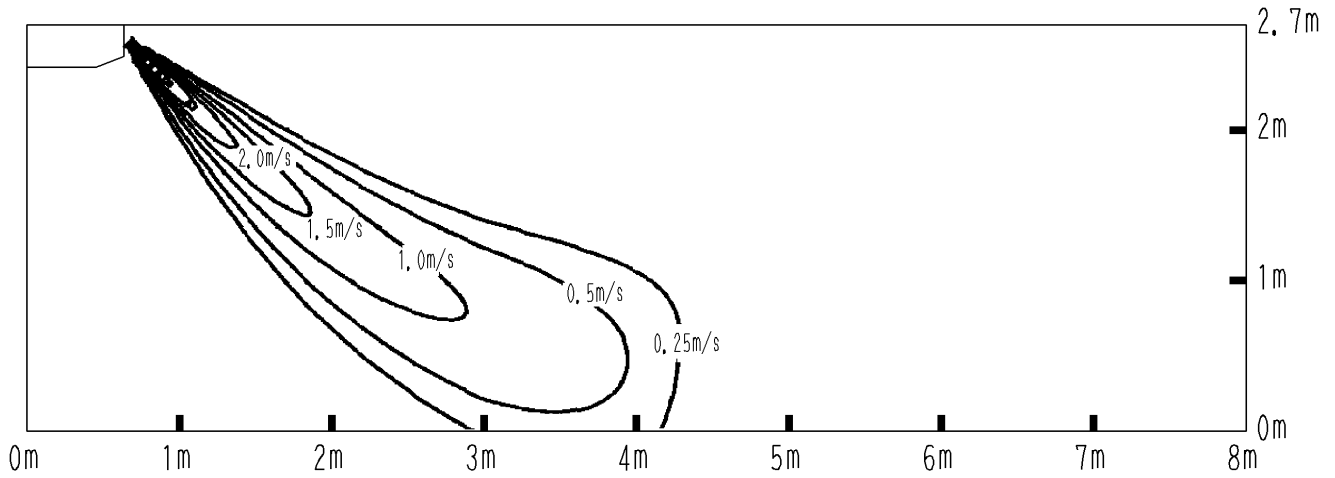


# 7 Air flow patterns

## 7 FHYP35-45BV1

Heating - air velocity distribution

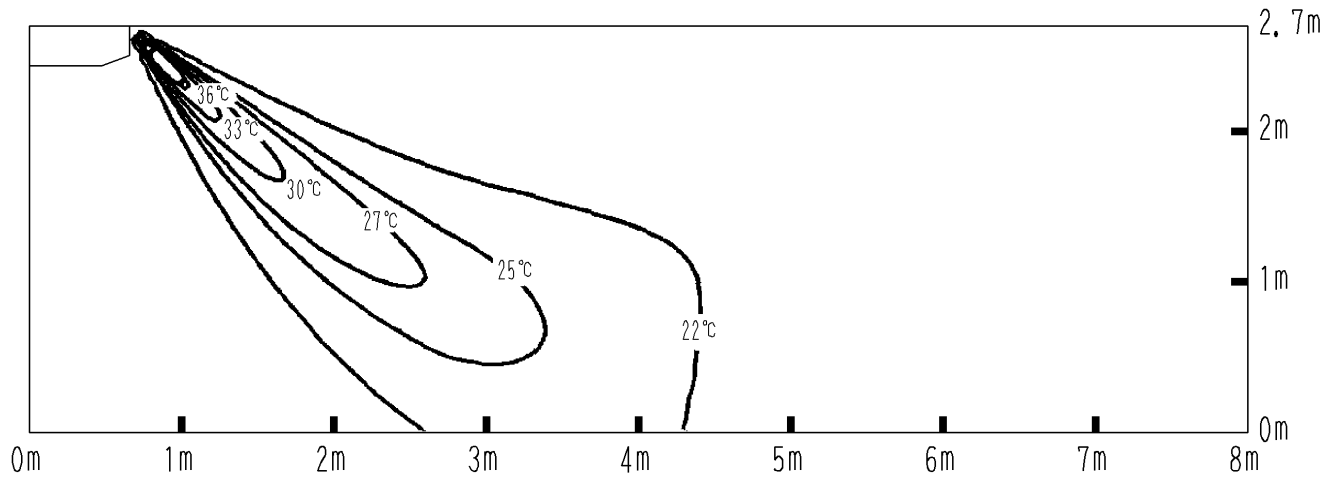
Air flow direction: 45° (downward)



## FHYP35-45BV1

Heating - air temperature distribution

Air flow direction: 45° (downward)



4D028554



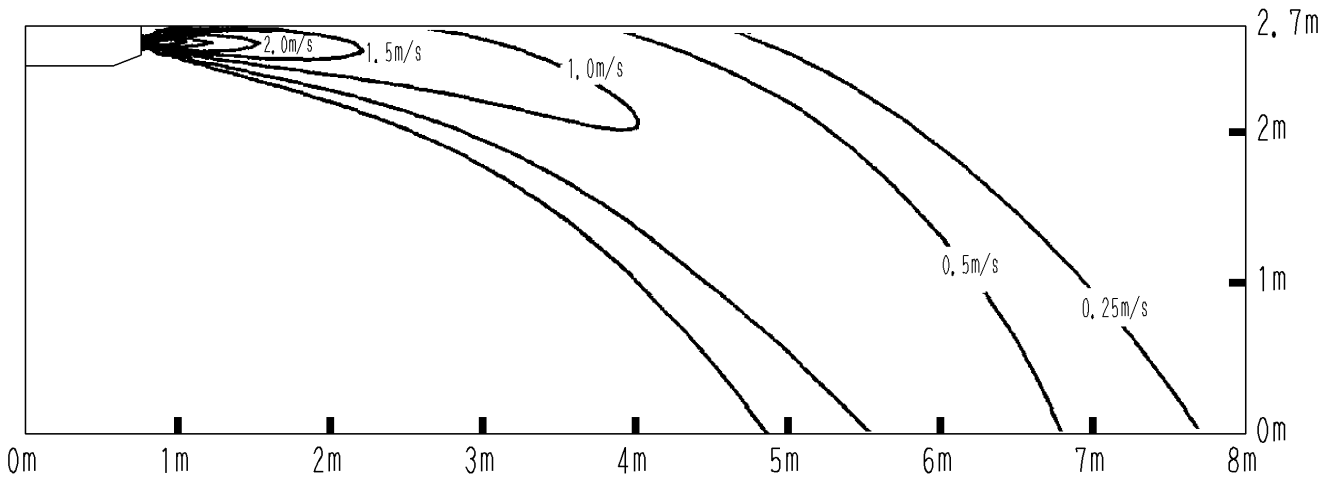
# 7 Air flow patterns

7

## FHYP60-71BV1

Cooling - air velocity distribution

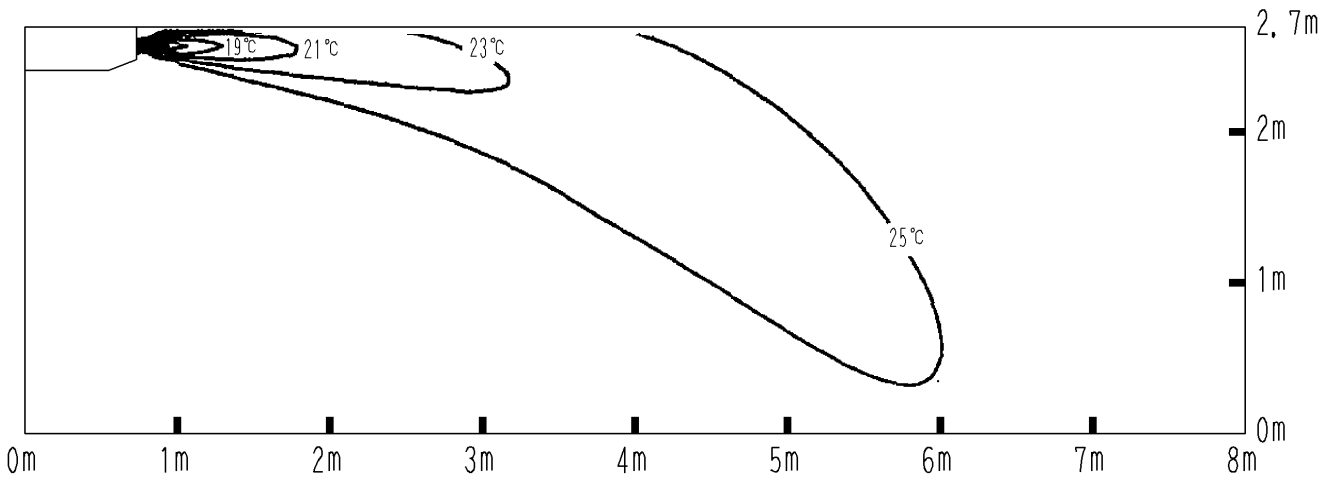
Air flow direction: horizontal



## FHYP60-71BV1

Cooling - air temperature distribution

Air flow direction: horizontal



4D028551

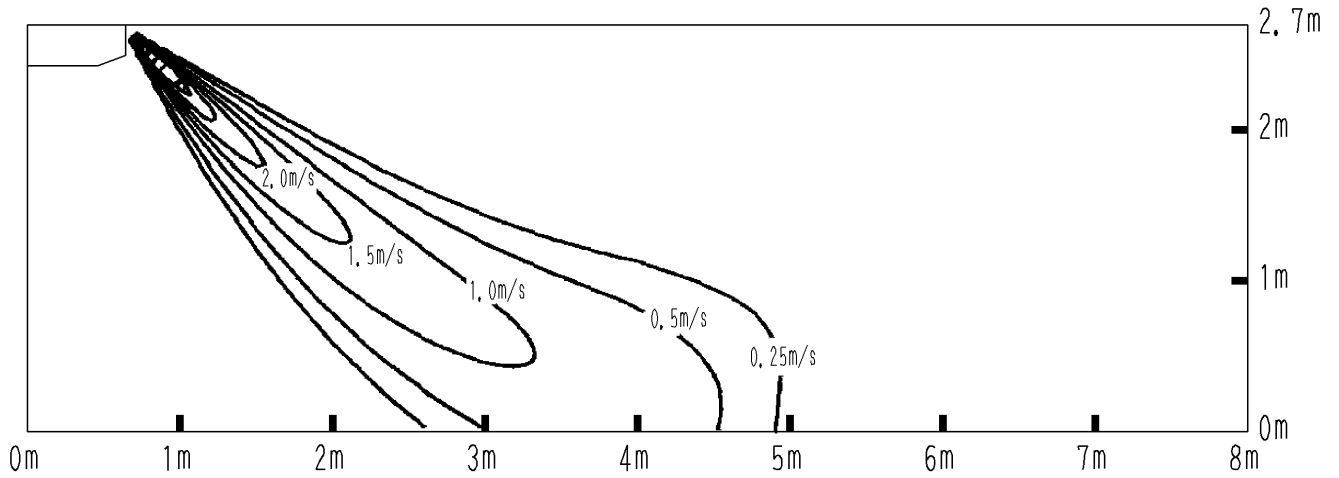


# 7 Air flow patterns

## 7 FHYP60-71BV1

Heating - air velocity distribution

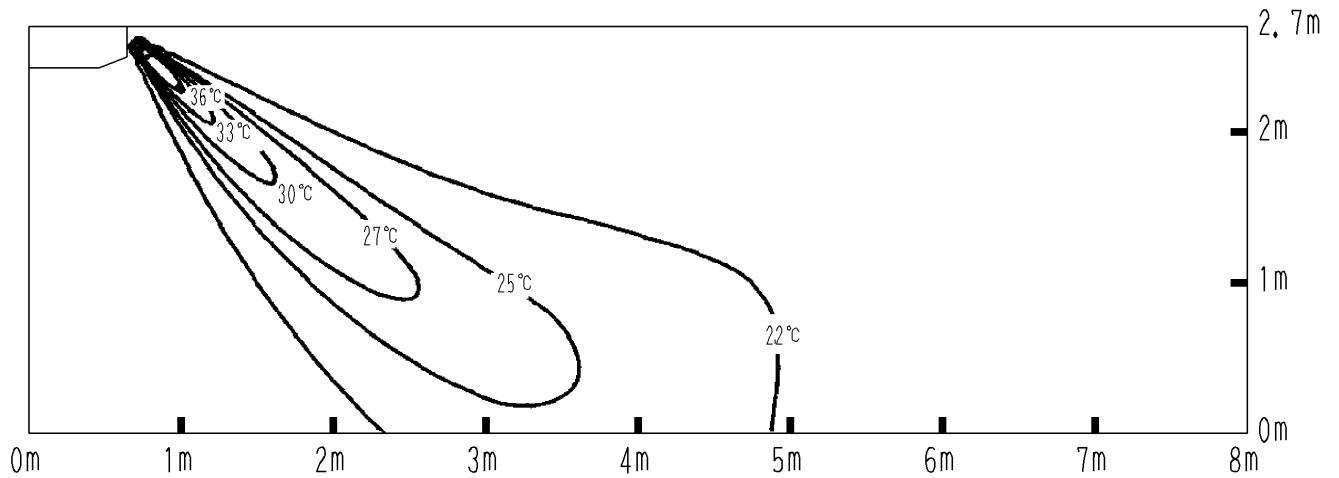
Air flow direction: 45° (downward)



## FHYP60-71BV1

Heating - air temperature distribution

Air flow direction: 45° (downward)



4D028555



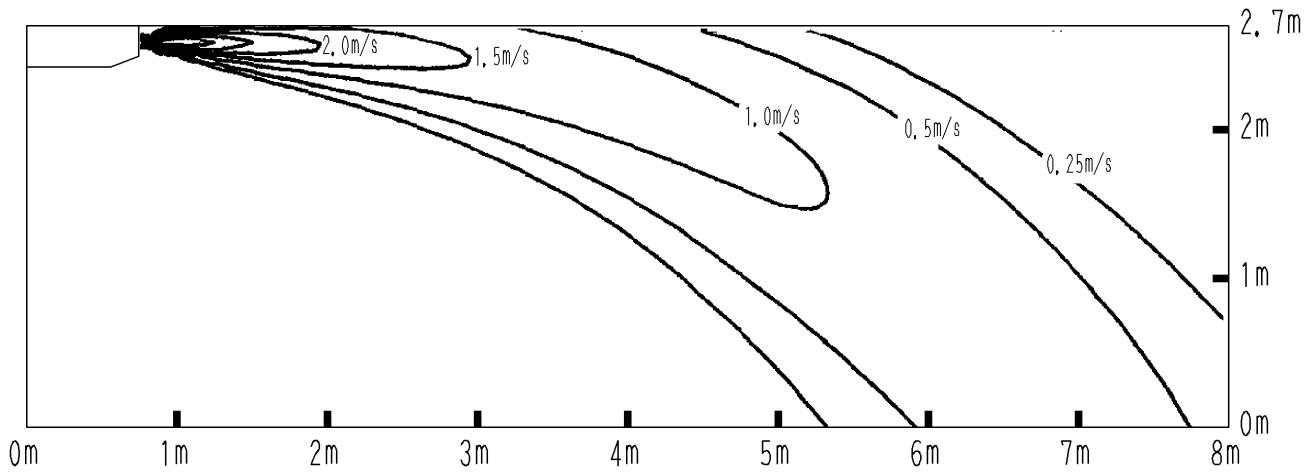
# 7 Air flow patterns

7

## FHYP100BV1

Cooling - air velocity distribution

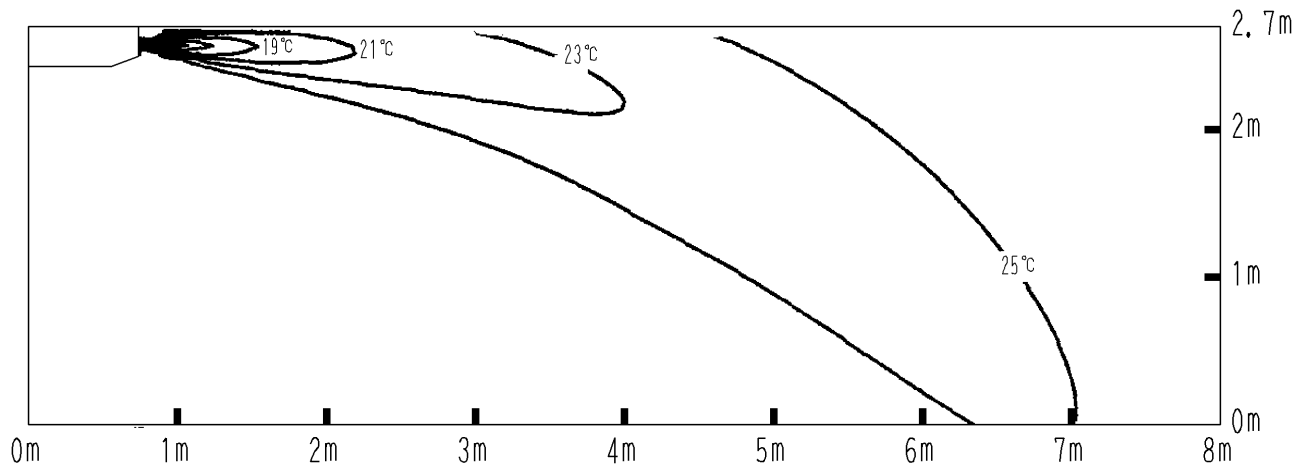
Air flow direction: horizontal



## FHYP100BV1

Cooling - air temperature distribution

Air flow direction: horizontal



4D028552

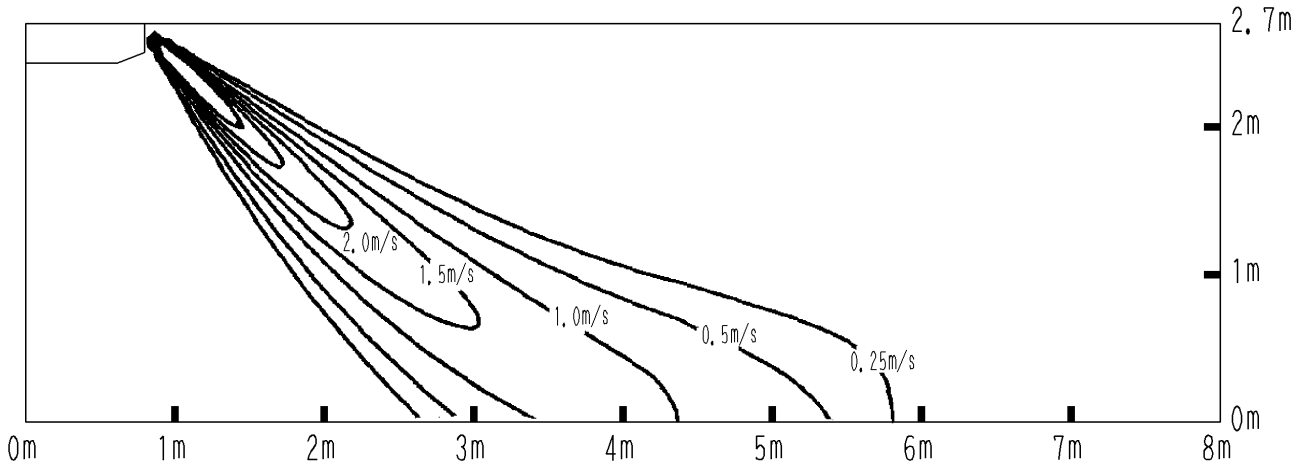


# 7 Air flow patterns

## 7 FHYP100BV1

Heating - air velocity distribution

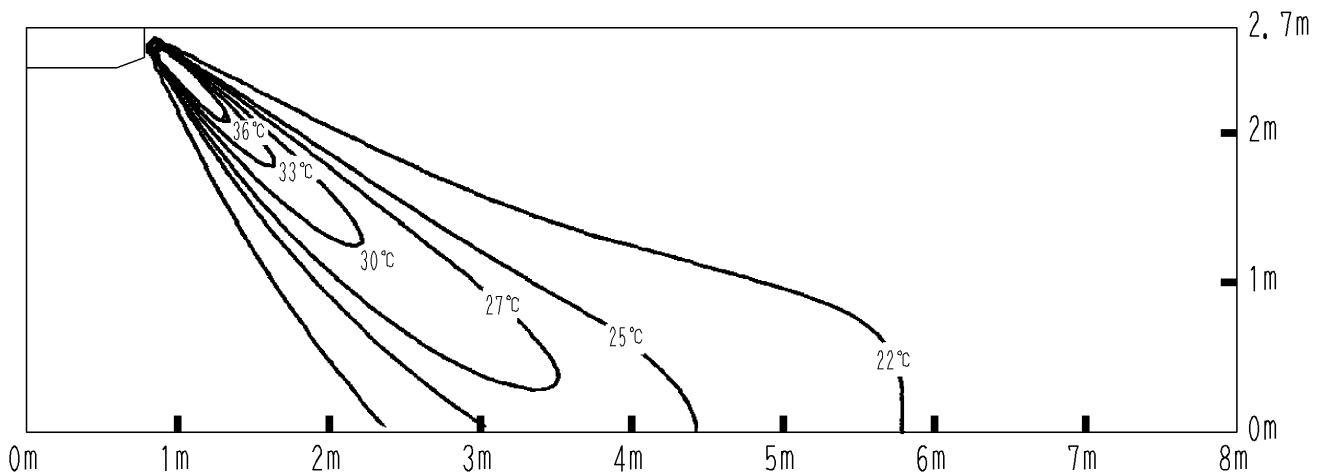
Air flow direction: 45° (downward)



## FHYP100BV1

Heating - air temperature distribution

Air flow direction: 45° (downward)



4D028556

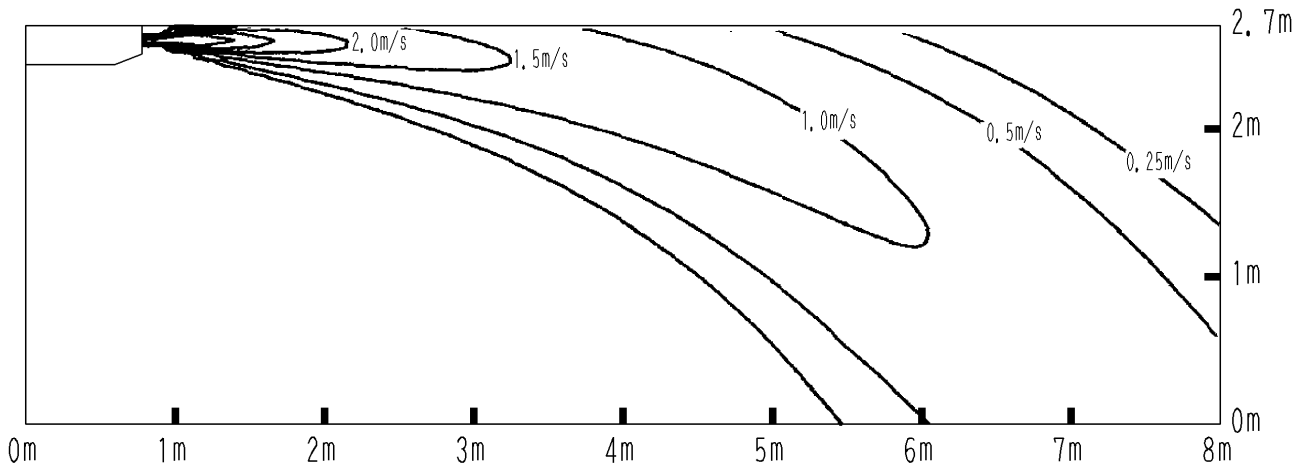


# 7 Air flow patterns

## FHYP125BV1

Cooling - air velocity distribution

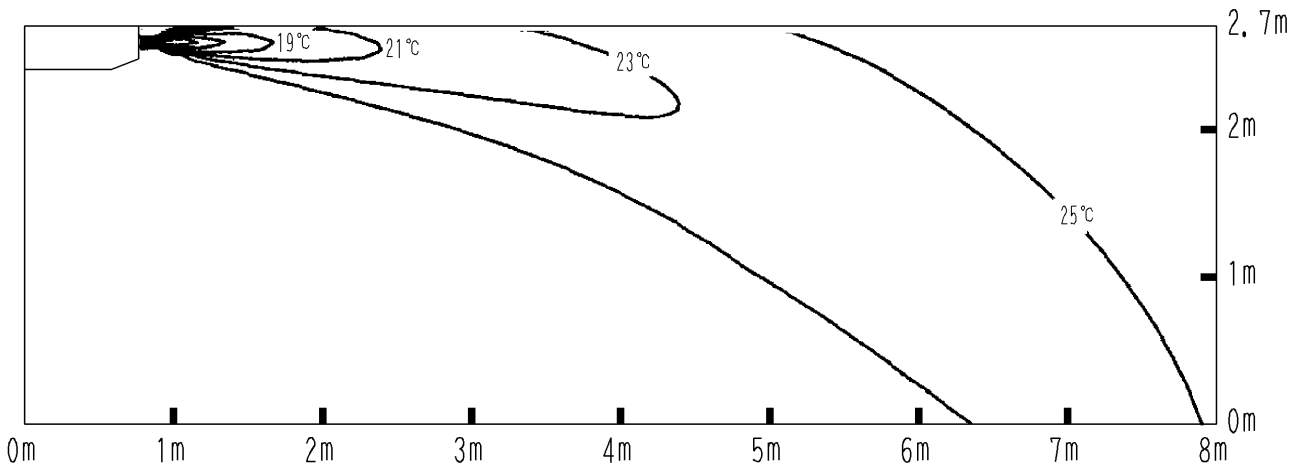
Air flow direction: horizontal



## FHYP125BV1

Cooling - air temperature distribution

Air flow direction: horizontal



4D028553

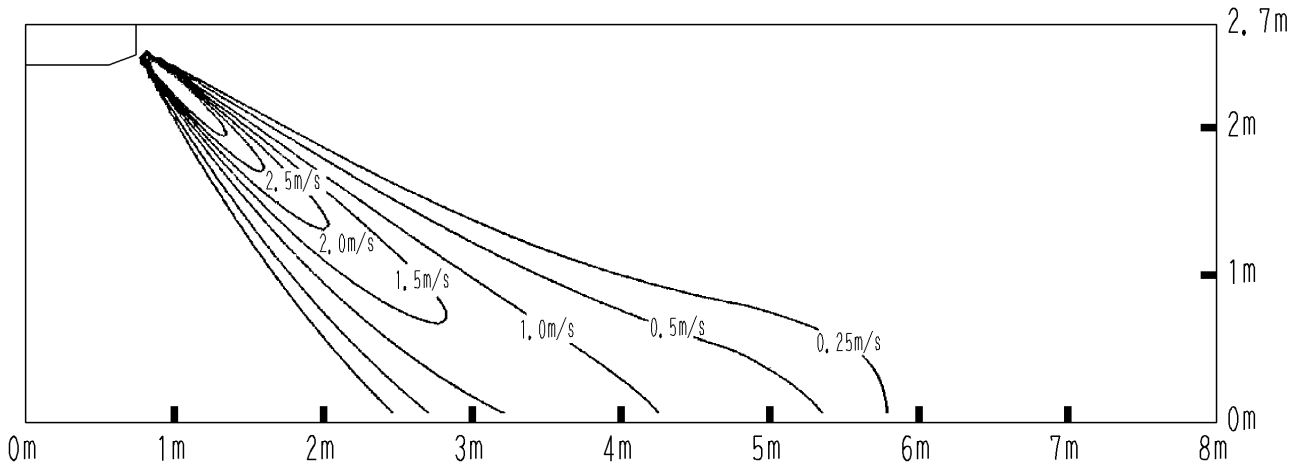


# 7 Air flow patterns

## 7 FHYP125BV1

Heating - air velocity distribution

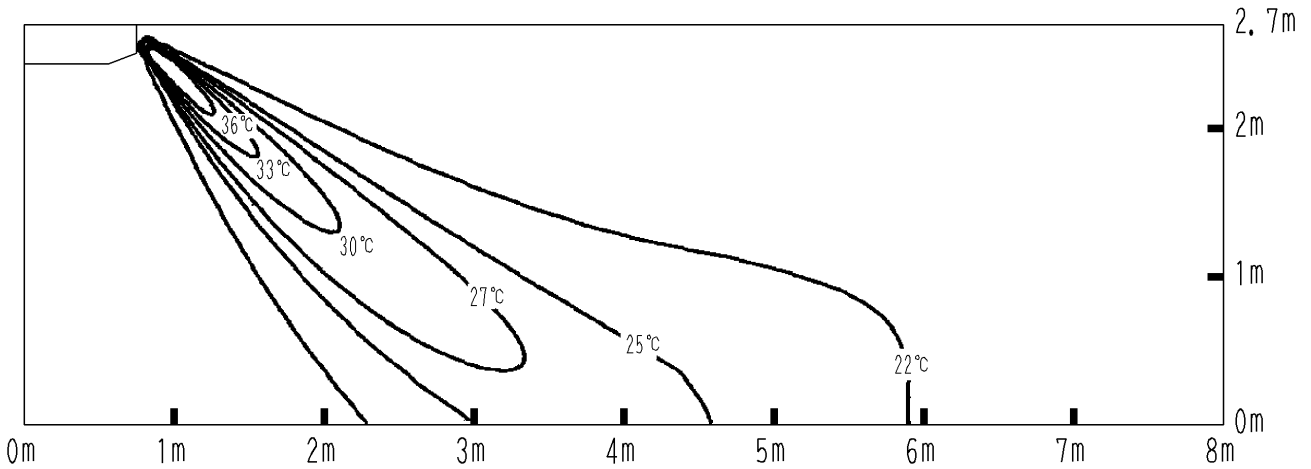
Air flow direction: 45° (downward)



## FHYP125BV1

Heating - air temperature distribution

Air flow direction: 45° (downward)



4D028557









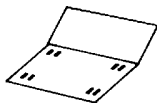
# 8 Accessories





## 8-1 Standard accessories

### FHYP-B

8

8-1

Name	① Drain hose	② Clamp	③ Washer for hanging bracket	④ Clamp	⑤ Washer fixing plate
Quantity	1 pc.	1 pc.	8 pcs.	6 pcs.	1 pc.
Shape					

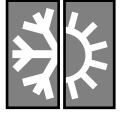
Name	Insulation for fitting	Sealing pad	(Other) • Installation manual • Operation manual
Quantity	1 of each	1 pc.	
Shape	 ⑧ For gas pipe  ⑦ For liquid pipe	 ⑧ Large  ⑦ Small	

## 8-2 Optional accessories

Name of option	Remark	FHYP-BV1						
		35	45	60	71	100	125	
Replacement long-life filter		KAFJ501D56			KAFJ501D80	KAFJ501D112	KAFJ501D160	
Drain up kit		KDU50B50VE		KDU50B71VE		KDU50B125VE		
L-type piping kit (for upward direction)	For FHY	KHFJ5F50		KHFJ5F80		KHFJ5F160		
	For FH	KHFJ5F50	KHFJ5F60			—		
Remote control	Wired type	BRC1D517						
	Infrared type	For FHY	BRC7E63W					
		For FH	BRC7E66					
Central remote control		DCS302B51						
Unified ON/OFF control		DCS301B51						
Schedule timer		DST301B51						
Adapter for wiring		KRP1B54						
Wiring adapter (hour meter)		EKRP1B2						
Wiring adapter for electrical appendices ※1		KRP4A52						
Interface adapter for Sky Air series		DTA102A52						
Installation box for adapter PCB		KRP1C93						
Remote ON/OFF, forced OFF		EKRORO						

3D028285A

Note \*1: Installation box for adapter PCB (KRP1C93) is necessary.



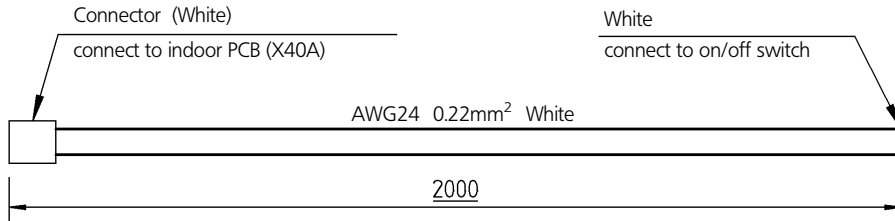
# 8 Accessories

## 8-2 Optional accessories

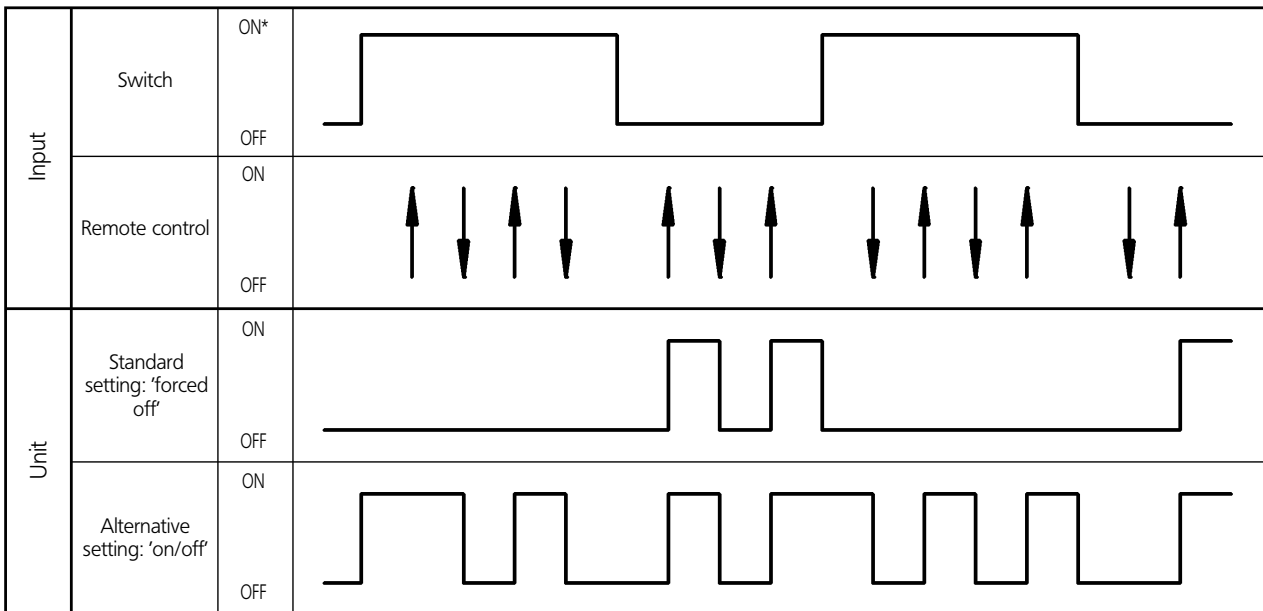
### 8 Specifications EKRORO

8-2

Wire specifications



Operating method



\* Input 'ON' = closed contact.

Forced off	On/off operation
Input 'on' stops operation + disables control	Input off → on: starts operation, remote control is still enabled.
Input 'off' enables control	Input on → off: stops operation, remote control is still enabled.

Selection of 'FORCED OFF' and 'ON/OFF' operation

Setting	Mode NO	First code NO	Second code NO
Forced off	12 (22)	1	01
On/off operation			02

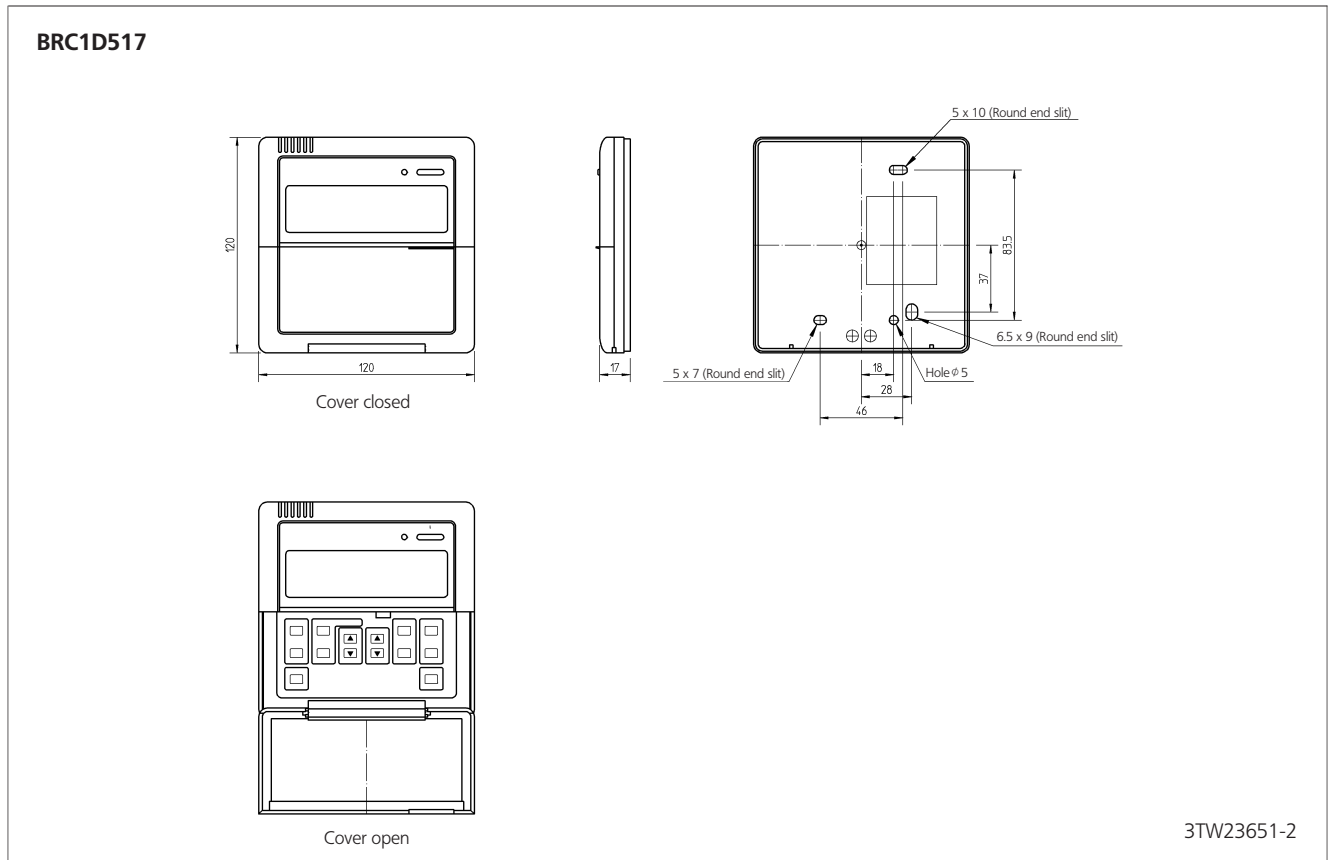
4TW23941-1



# 9 Control systems

## 9-1 Wired remote control

9  
9-1





# 10 Safety device settings

## 10

Model	Safety devices	35	50	60	71	100	125
FHYP-BV1	Fuse	—	—	—	—	—	—
	Fan motor thermal fuse (°C)	—	—	—	—	—	—
	Fan motor thermal protector (°C)	OFF: 130±5 ON: 83±20	OFF: 130±5 ON: 83±20	OFF: 130±5 ON: 83±20	OFF: 130±5 ON: 83±20	OFF: 130±5 ON: 83±20	OFF: 130±5 ON: 83±20

3D006611F

# 11 Installation

### Names and functions of parts

- Ⓐ Indoor unit
- Ⓑ Outdoor unit
- Ⓒ Infrared remote control
- Ⓓ Inlet air
- Ⓔ Discharged air
- Ⓕ Air outlet
- Ⓖ Blade (at air outlet)
- Ⓗ Refrigerant piping, connection electric wire
- Ⓘ Drain pipe
- ⓫ Air inlet
- The built-in air filter removes dust and dirt.
- Ⓚ Ground wire
- Wire to ground from the outdoor unit to prevent electrical shocks.

