



technical data

FHYCP-B7

**4-way Blow Ceiling
Mounted Cassette
(950x950)**



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. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory.

Specifications are subject to change without prior notice.

DAIKIN EUROPE N.V.

Zandvoordestraat 300
B - 8400 Ostend Belgium
Internet: <http://www.daikineurope.com>



TABLE OF CONTENTS

FHYCP-B7

1	Features	2
2	Specifications	3
	Nominal capacity, capacity steps and nominal input	
	Technical specifications	
3	Dimensional drawings	8
4	Piping diagrams	9
5	Wiring diagrams	10
6	Sound level	11
	Sound level data	
	Sound pressure spectrum	
7	Air flow patterns & branch duct connections	13
	Air flow patterns	
	Branch duct connections	
8	Accessories	24
	Standard accessories	
	Optional accessories	
9	Control systems	27
10	Center of gravity	28
11	Safety device settings	28
12	Installation	29

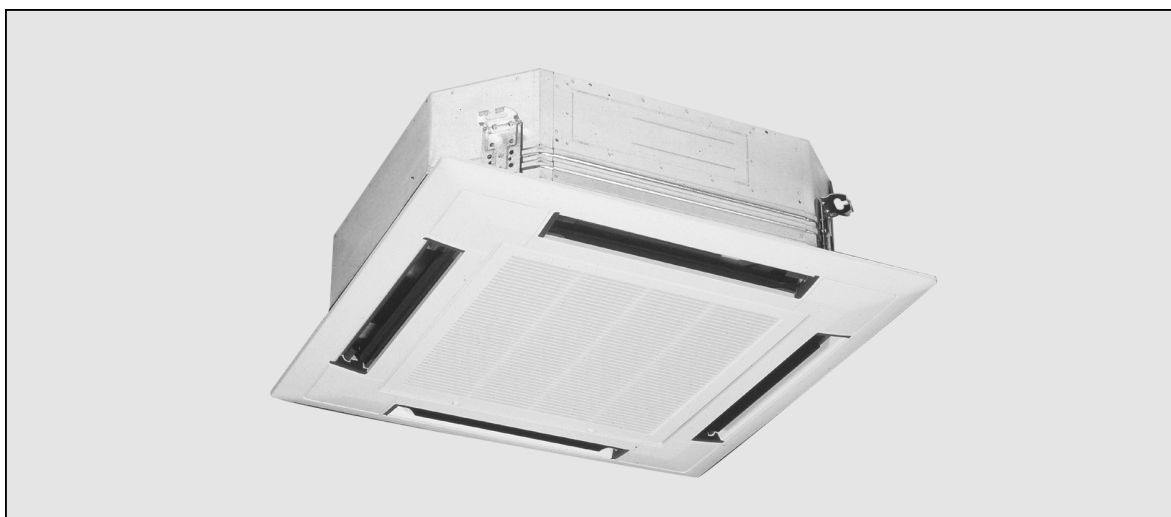
For capacity tables, please refer to part II: outdoor units



1 Features

1

- Leaves maximum floor and wall space for furniture, decoration and fittings
- Fits flush into each ceiling
- Can be installed in both new and existing buildings
- Extremely quiet in operation both indoors and outdoors
- Air can be discharged in any of four directions
- Possibility of using 1 or 2 branches for better air distribution
- Possibility to shut off 1 or 2 flaps for easy installation in corners
- Air flow distribution for ceiling heights up to 4.2m without loss of capacity
- For equal distribution in larger rooms, up to 4 indoor units can be connected to 1 outdoor. They are operated from 1 remote control.
- Up to 5 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. They operate simultaneously within the same cooling or heating mode.
- The wired remote control has following features:
 - A real time clock
 - A schedule timer:
 - Possibility to program a weekly schedule timer.
 - Possibility to program 5 actions for each day of the week.
 - Limit operation (min./max.): room temperature is controlled within adjustable upper and lower limits. This can be activated manually or by schedule timer.
 - Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF.



Optional



Optional



Optional



Heat pump



2 steps



FHYCP35-71



2 Specifications


2

NOMINAL CAPACITY and NOMINAL INPUT				
For indoor units only:				
INDOOR UNITS		FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1
NOMINAL INPUT	Cooling	kW	0.14	0.161
	Heating	kW	0.14	0.161

For combination indoor + outdoor units (air cooled):				
INDOOR UNITS		FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1
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		FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1
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		

NOMINAL CAPACITY and NOMINAL INPUT				
For indoor units only:				
INDOOR UNITS		FHYCP71B7V1	FHYCP100B7V1	FHYCP125B7V1
NOMINAL INPUT	Cooling	kW	0.161	0.204
	Heating	kW	0.161	0.204

For combination indoor + outdoor units (air cooled):				
INDOOR UNITS		FHYCP71B7V1	FHYCP100B7V1	FHYCP125B7V1
OUTDOOR UNITS		RP71L7V1/W1-RP71B7T1	RP100L7V1/W1-RP100B7T1	RP125L7W1-RP125B7T1
CAPACITY (3)	Cooling	kW	7.10	10.00
NOMINAL INPUT	Cooling	kW	2.72/2.66/2.58	3.83/3.56/3.55
EER			2.61/2.67/2.75	2.67/2.69/2.76
ENERGY LABEL	Cooling		D/D/D	D/D/D
ANNUAL ENERGY CONSUMPTION	Cooling	kWh	1,360/1,330/1,290	1,875/1,860/1,810

For combination indoor + outdoor units (air cooled):				
INDOOR UNITS		FHYCP71B7V1	FHYCP100B7V1	FHYCP125B7V1
OUTDOOR UNITS		RYP71L7V1/W1	RYP100L7V1/W1	RYP125L7W1
CAPACITY (3)	Cooling	kW	7.10	10.00
	Heating	kW	8.00	11.20
NOMINAL INPUT	Cooling	kW	2.72/2.66	3.83/3.56
	Heating	kW	2.85/2.80	3.75/3.66
EER			2.61/2.67	2.61/2.81
COP			2.81/2.86	2.99/3.06
ENERGY LABEL	Cooling		D/D	D
	Heating		D/D	D
ANNUAL ENERGY CONSUMPTION	Cooling	kWh	1,360/1,330	1,915/1,780

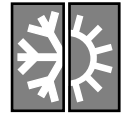
2 Specifications



2

TECHNICAL SPECIFICATIONS							
For indoor units only:							
INDOOR UNITS				FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1	
DIMENSIONS	Unit	H	mm	230			
		W	mm	840			
		D	mm	840			
	Decoration panel	H	mm	40			
		W	mm	950			
		D	mm	950			
WEIGHT	Unit	kg	23				
	Decoration panel	kg	5				
MATERIAL	Unit	Galvanised steel plate					
COLOUR	Decoration panel	White					
SOUND LEVEL	Sound pressure (cooling/heating) (1)	high	dB(A)	31	33		
		low	dB(A)	27	28		
	Sound power (2)		dB(A)	48	50		
FAN	Air flow rate (cooling/heating)	high	m³/min	14/14	15/15	18/18	
		low	m³/min	10/10	11/11	14/14	
	Speed	steps	2 steps				
	Type		Sirocco fan				
	Qty x motor output	W	1 x 45				
	Drive		Direct drive				
HEAT EXCHANGER	Type	Cross fin coil ϕ 7 HI-XA tubes					
	Rows x stages x fin pitch	mm	2 x 8 x 1.5				
	Face area	m²	0.331				
AIR FILTER				Resin net (with mold resistant)			
PIPING CONNECTIONS		liquid (flare)	mm	ϕ 6.4	ϕ 9.5		
		gas (flare)	mm	ϕ 12.7	ϕ 15.90		
		drain I.D.	mm	ϕ 25			
		drain O.D.	mm	ϕ 32			
INSULATION MATERIAL	Heat insulation	Both liquid and gas pipes					
	Sound absorbing insulation	Foamed polyethylene					
For outdoor units only:		Pair application		See chapters RP-L7/B7, RYP-L7			

2 Specifications


2

TECHNICAL SPECIFICATIONS						
For indoor units only:						
INDOOR UNITS				FHYCP71B7V1	FHYCP100B7V1	FHYCP125B7V1
DIMENSIONS	Unit	H	mm	230	288	
		W	mm	840		
		D	mm	840		
	Decoration panel	H	mm	40		
		W	mm	950		
		D	mm	950		
WEIGHT	Unit	kg	23	27		
	Decoration panel	kg	5			
MATERIAL	Unit	Galvanised steel plate				
COLOUR	Decoration panel	White				
SOUND LEVEL	Sound pressure (cooling/heating) (1)	high	dB(A)	33	37	40
		low	dB(A)	28	32	35
	Sound power		dB(A)	50	53	56
FAN	Air flow rate (cooling/heating)	high	m³/min	18/18	28/28	31/31
		low	m³/min	14/14	21/21	24/24
	Speed	steps	2 steps			
	Type		Sirocco fan			
	Qty x motor output	W	1 x 45	1 x 90		
	Drive		Direct drive			
HEAT EXCHANGER	Type	Cross fin coil ϕ 7 Hi-XA tubes				
	Rows x stages x fin pitch	mm	2 x 8 x 1.5	2 x 12 x 1.5		
	Face area	m²	0.331	0.497		
AIR FILTER				Resin net (with mold resistant)		
PIPING CONNECTIONS		liquid (flare)	mm	ϕ 9.5		
		gas (flare)	mm	ϕ 15.90	ϕ 19.10	
		drain I.D.	mm	ϕ 25		
		drain O.D.	mm	ϕ 32		
INSULATION MATERIAL	Heat insulation	Both liquid and gas pipes				
	Sound absorbing insulation	Foamed polyethylene				
For outdoor units only:	Pair application			See chapters RP-L7/B7, RYP-L7		

2 Specifications



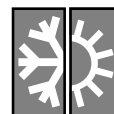
2

ELECTRICAL SPECIFICATIONS							
For indoor units only:				FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1	
CURRENT	Nominal running current	cooling/heating	A	See chapters RP-L7/B7, RYP-L7			
	Max. running current	cooling/heating	A	See chapters RP-L7/B7, RYP-L7			
For combination indoor units + outdoor units:				FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1	
				-	-	-	
CURRENT	Nominal running current	cooling	A	Twin/triple/double twin application only: RP-L7/B7			
	Maximum running current	cooling	A				
	Starting current	cooling	A				
For combination indoor units + outdoor units:				FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1	
				-	-	-	
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				
For indoor units only:				FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1	
POWER SUPPLY				V1	V1	V1	
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase			1~	1~	1~	
	Frequency		Hz	50	50	50	
	Voltage		V	230	230	230	

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).

2 Specifications


2

ELECTRICAL SPECIFICATIONS				
For indoor units only:				
CURRENT	Nominal running current	cooling/heating	A	FHYCP71B7V1
	Maximum running current	cooling/heating	A	FHYCP100B7V1
				FHYCP125B7V1
				See chapters RP-L7/B7, RYP-L7
				See chapters RP-L7/B7, RYP-L7

For combination indoor units + outdoor units:				FHYCP71B7V1	FHYCP100B7V1	FHYCP125B7V1
				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: FHYCP35-45-60BV1: Twin/triple/double twin application only

For combination indoor units + outdoor units:				
CURRENT	Nominal running current	cooling/heating	A	FHYCP71B7V1
	Maximum running current	cooling/heating	A	FHYCP100B7V1
	Starting current	cooling/heating	A	FHYCP125B7V1
				RYP71L7V1/W1
				RYP100L7V1/W1
				RYP125L7W1
				See chapter RYP-L7

Note: FHYCP35-45-60BV1: Twin/triple/double twin application only

For indoor units only:				
POWER SUPPLY				V1
				V1
				V1
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase		Hz	1~
	Frequency		Hz	50
	Voltage		V	230
				230
				230
				230

3TW22921-2B

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).



4

Piping diagrams

FHYCP35-125B7

Heat exchanger

→

←

→

←

→

←

→

←

Filter

Liquid pipe connection port

Gas pipe connection port

Refrigerant flow

Cooling →

Heating ←

Refrigerant pipe connection port diameters

Model	Gas	Liquid
FHYCP35B	φ 12.70	φ 6.35
FHYCP45B	φ 15.90	φ 6.35
FHYCP60B, FHYCP71B	φ 15.90	φ 9.52
FHYCP100B, FHYCP125B	φ 19.10	φ 9.52

↔ Check valve

↘ Flare connection

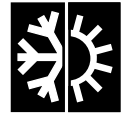
⌋ Screw connection

⌋ Flange connection

✗ Pinched pipe

→ Spinned pipe

3TW20435-1J



5 Wiring diagrams

5

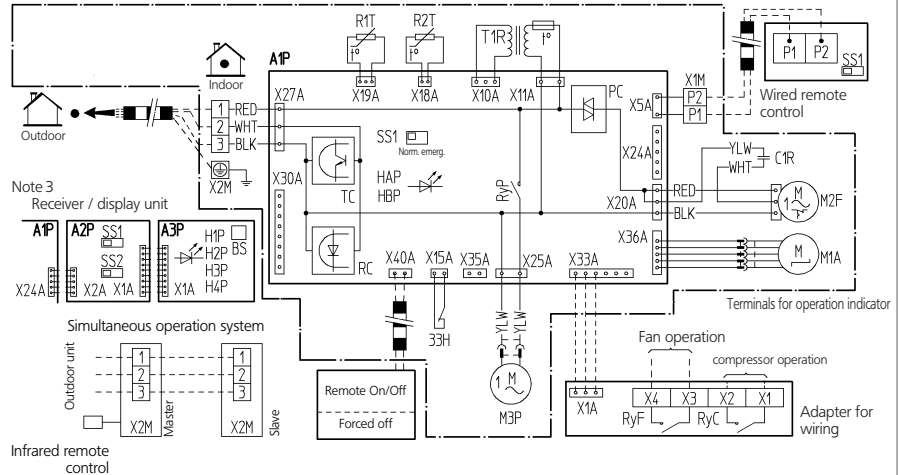
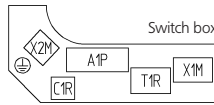
FHYCP35-125B7

Notes

1. Use copper conductors only.
2. When using the central remote control, see manual for connection to the unit.
3. X24A is connected when the remote control kit is used.
4. The infrared remote control model varies according to the combination system. See technical data and catalogues before connecting.

Field wiring Terminal
 Connector
 Wire clamp
 Protective earth (screw)

Colours
 BLK: Black / WHT: White / RED: Red / YLW: Yellow



33H Float switch
 A1P Printed circuit board
 C1R Capacitor (M2F)
 HAP Light emitting diode (service monitor green)
 HBP Light emitting diode (service monitor green)
 M1A Motor (swing flap)
 M2F Motor (indoor fan)
 M3P Motor (drain pump)
 Q1F Thermo switch (M2F embedded)
 R1T Thermistor (air)
 R2T Thermistor (coil)

RyP Magnetic relay (M3P)
 SS1 Selector switch (emergency)
 T1R Transformer (220-240V/22V)
 X1M Terminal strip (power)
 X2M Terminal strip (control)
 (PC) Phase control circuit
 RC Signal receiver circuit (power)
 TC Signal transmission circuit (power)
 SS1 Selector switch (main/sub)

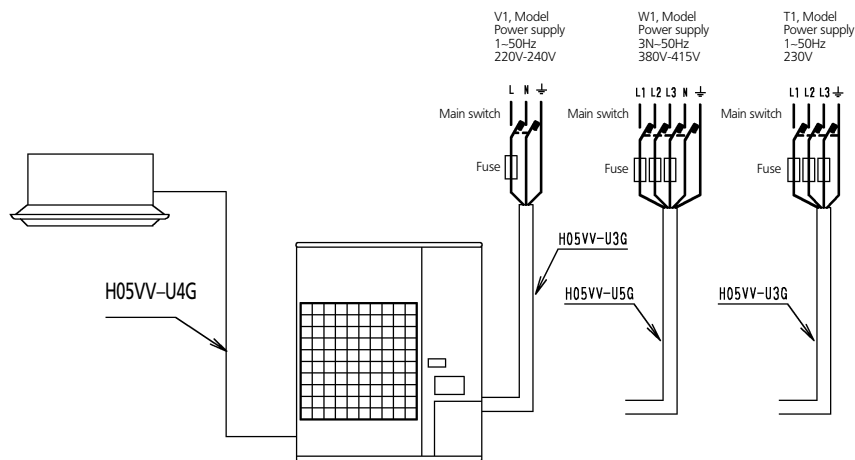
Receiver / display unit (attached to infrared remote control)
 A2P/A3P Printed circuit board
 BS Push button (on/off)
 H1P Light emitting diode (on-red)
 H2P Light emitting diode (timer-green)
 H3P Light emitting diode (filter sign-red)
 H4P Light emitting diode (defrost-orange)
 SS1 Selector switch (main/sub)
 SS2 Selector switch (wireless address set)

Adapter for wiring
 RyC/RyF Magnetic relay
 Connector for optional parts
 X30A Connector (interface adapter for sky air series)
 X33A Connector (adapter for wiring)
 X35A Connector (group control adapter)

3TW22926-1

NOTES

1. Line voltage wiring
 Control circuit wiring
2. All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
3. Use copper conductors only.
4. See wiring diagrams for details.
5. Install fuse and main switch for safety.
6. All field wiring and components must be provided by a licensed electrician.
7. The unit shall be grounded in compliance with the applicable local and national codes.
8. Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
9. Never share a common power supply with other equipment.



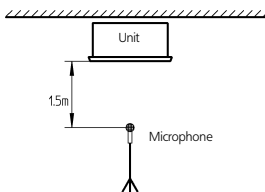
4D010992A



6 Sound level

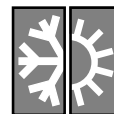
6-1 Sound level data

Heat pump

Model	Sound pressure level		Measuring location	Sound power level (H) (cooling/heating)
	230V			
	50Hz			
	H (cooling/heating)	L (cooling/heating)		
FHYCP35B7	31/31	27/27		48/48
FHYCP45B7	31/31	27/27		48/48
FHYCP60B7	33/33	28/28		50/50
FHYCP71B7	33/33	28/28		50/50
FHYCP100B7	37/37	32/32		53/53
FHYCP125B7	40/40	35/35		56/56

6

6-1



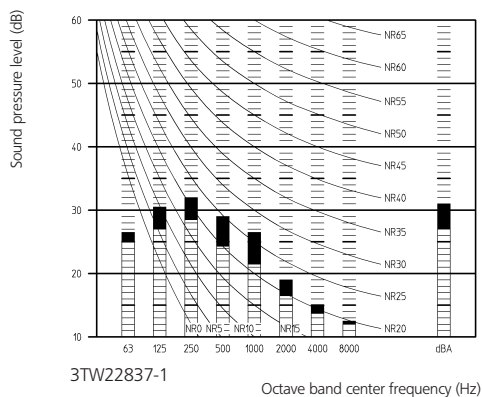
6 Sound levels

6-2 Sound pressure spectrum

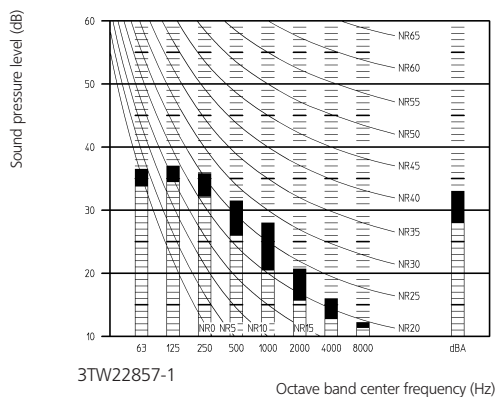
6

6-2

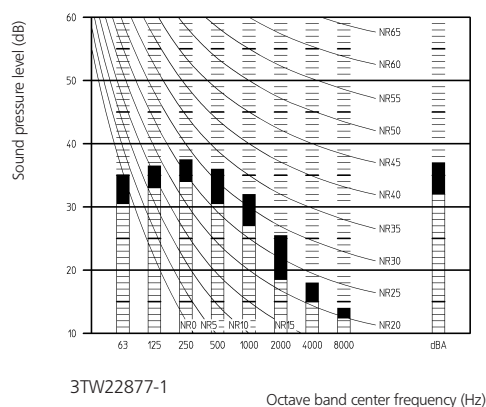
FHYCP35-45



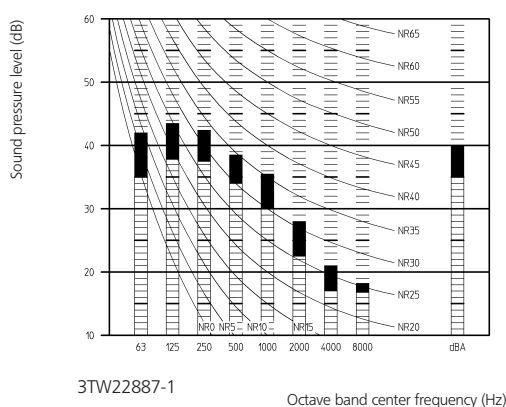
FHYCP60-71



FHYCP100



FHYCP125



NOTES

- 1 Data is valid at free field condition and nominal operation condition (230V, air discharge in 4 directions).
- 2 The operation noise differs with the operation and ambient conditions.
- 3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
- 4 Reference acoustic pressure 0dB = 20Pa

Legend

- High speed
- Low speed



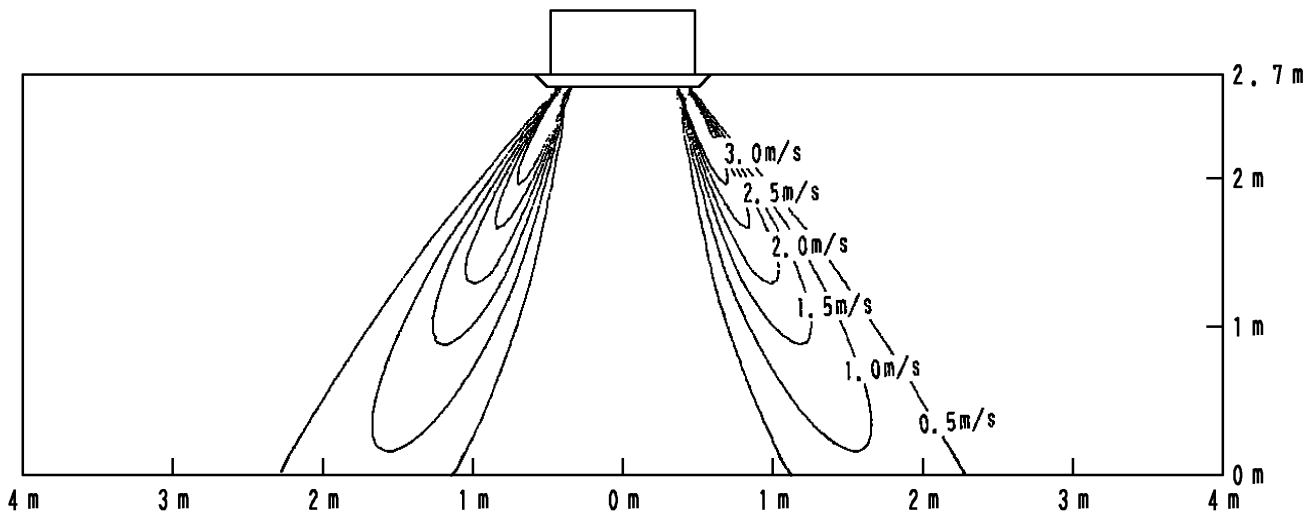
7 Air flow patterns & branch duct connections

7-1 Air flow patterns

FHYCP35B7

Heating - air velocity distribution

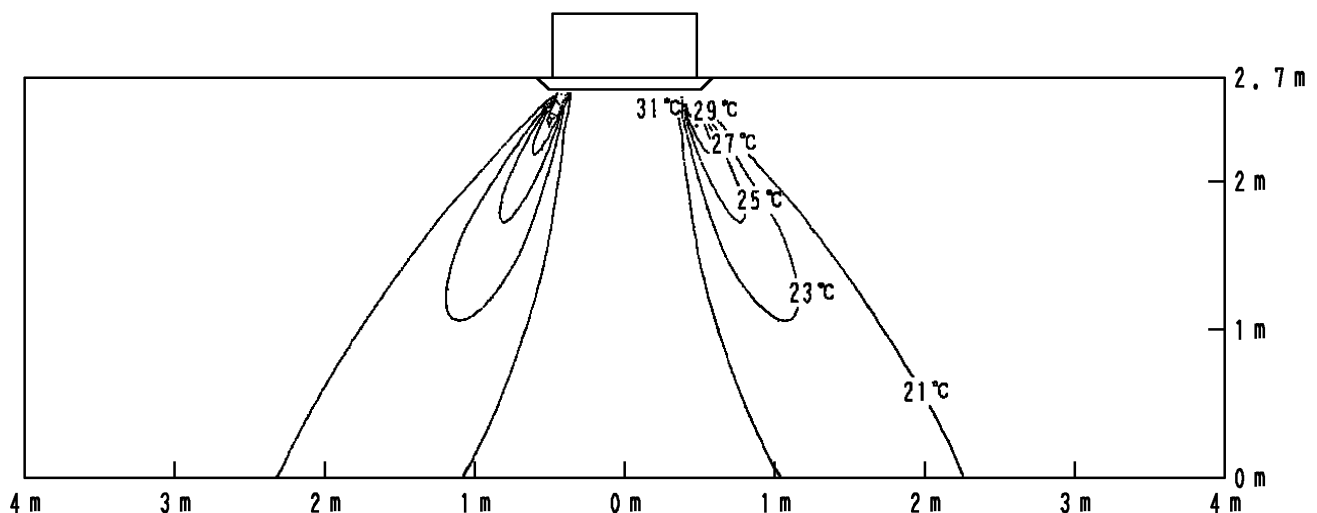
4-way discharge, air flow direction: down



FHYCP35B7

Heating - air temperature distribution

4-way discharge, air flow direction: down



4D024116



7 Air flow patterns & branch duct connections

7-1 Air flow patterns

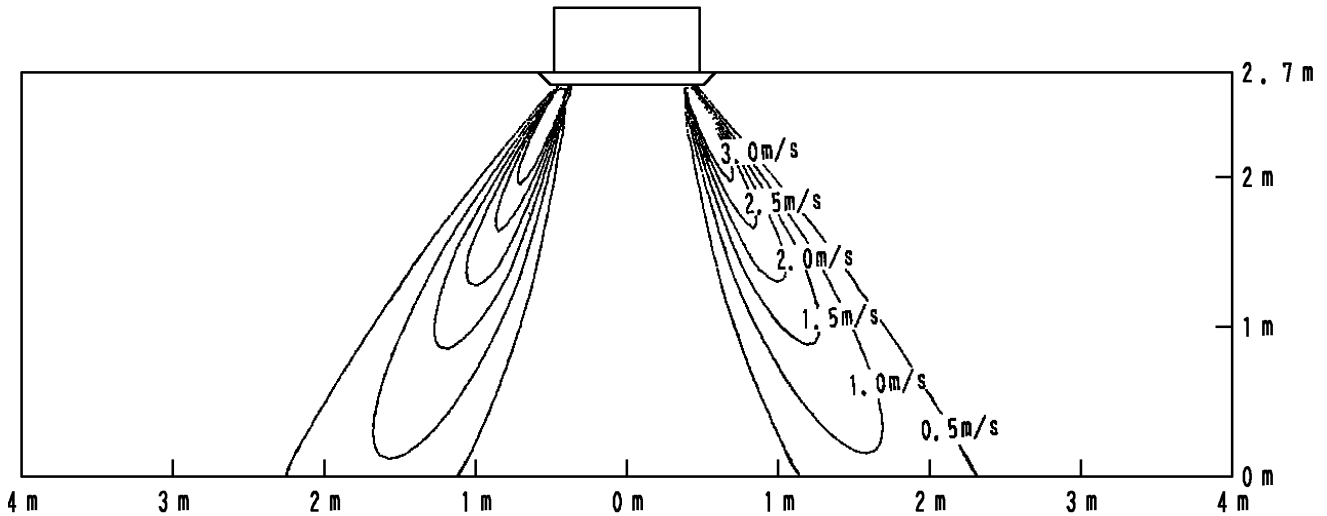
7

FHYCP45B7

7-1

Heating - air velocity distribution

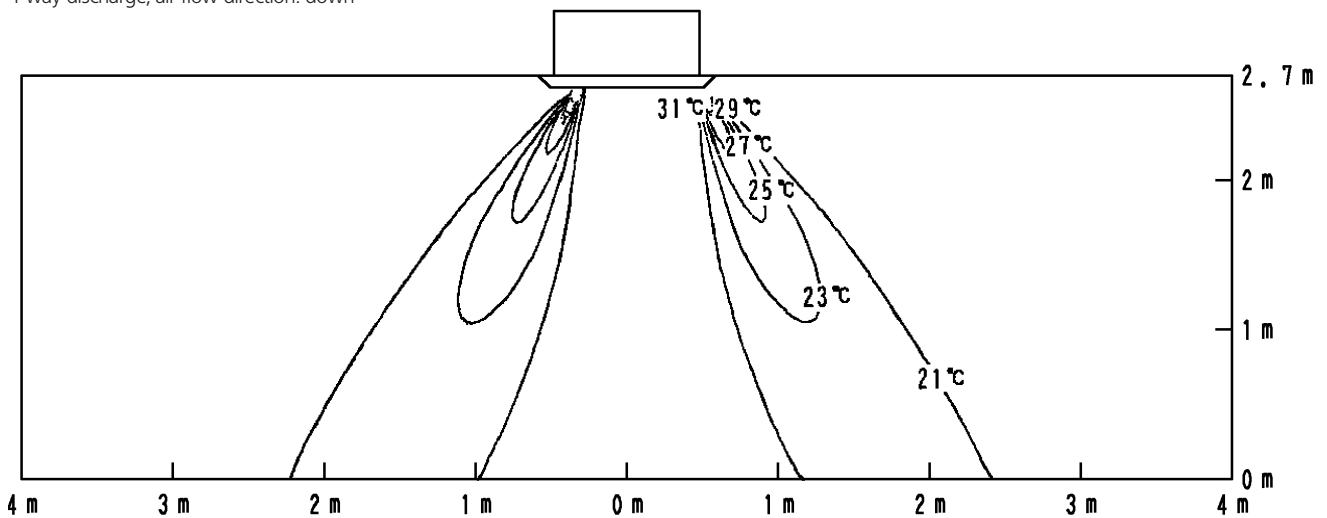
4-way discharge, air flow direction: down



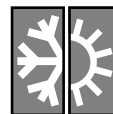
FHYCP45B7

Heating - air temperature distribution

4-way discharge, air flow direction: down



4D024117



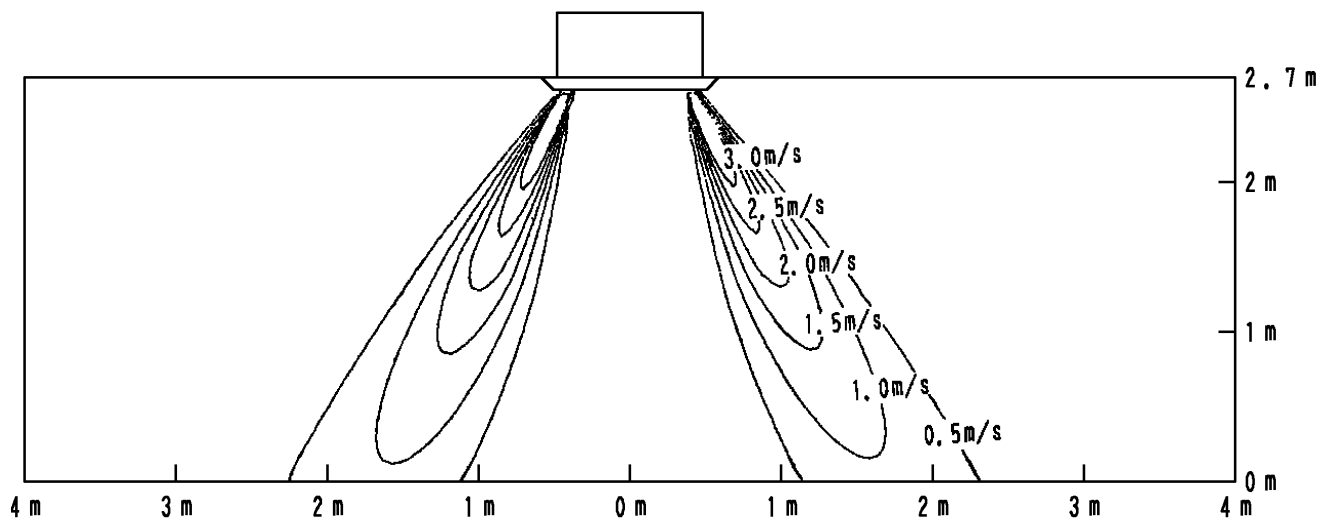
7 Air flow patterns & branch duct connections

7-1 Air flow patterns

FHYCP60-71B7

Heating - air velocity distribution

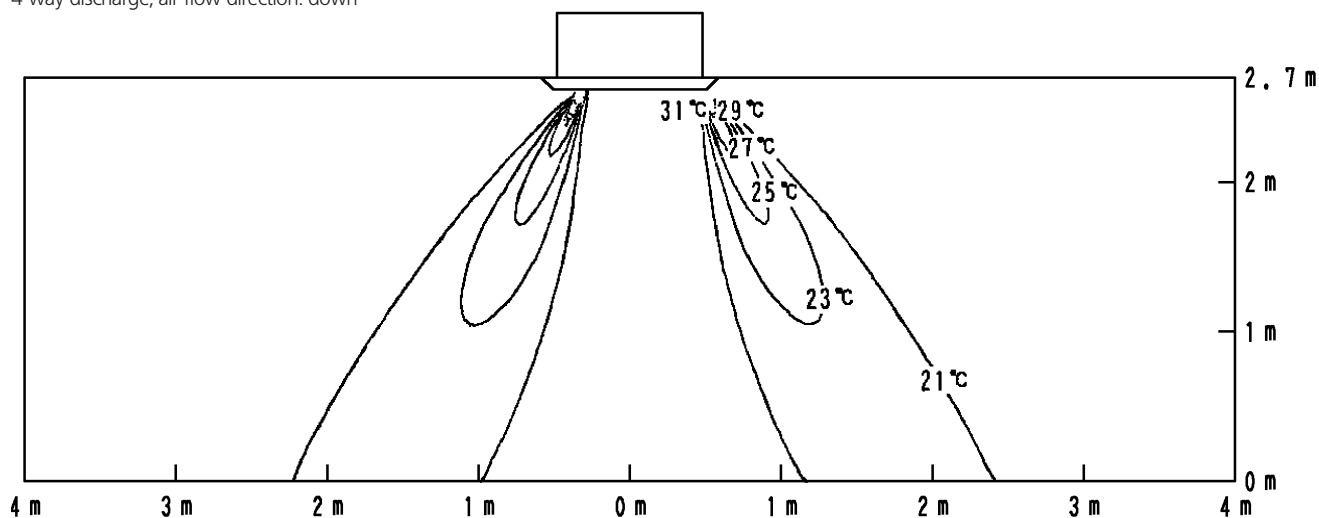
4-way discharge, air flow direction: down



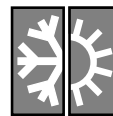
FHYCP60-71B7

Heating - air temperature distribution

4-way discharge, air flow direction: down



4D024118



7 Air flow patterns & branch duct connections

7-1 Air flow patterns

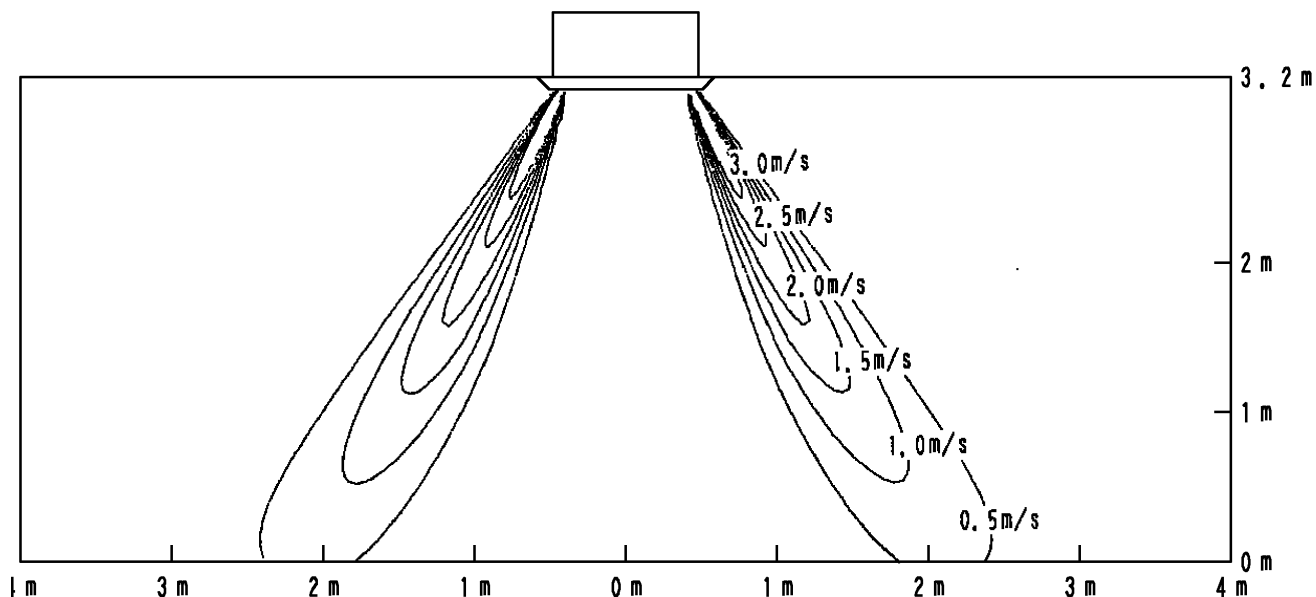
7

FHYCP100B7

7-1

Heating - air velocity distribution

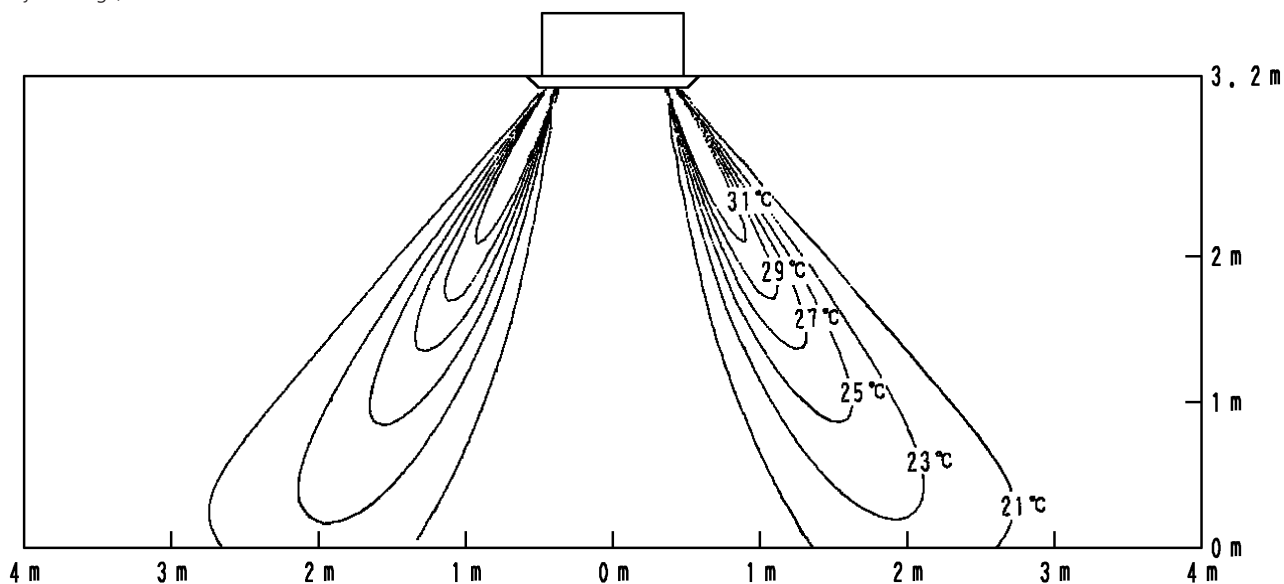
4-way discharge, air flow direction: down



FHYCP100B7

Heating - air temperature distribution

4-way discharge, air flow direction: down



4D024119



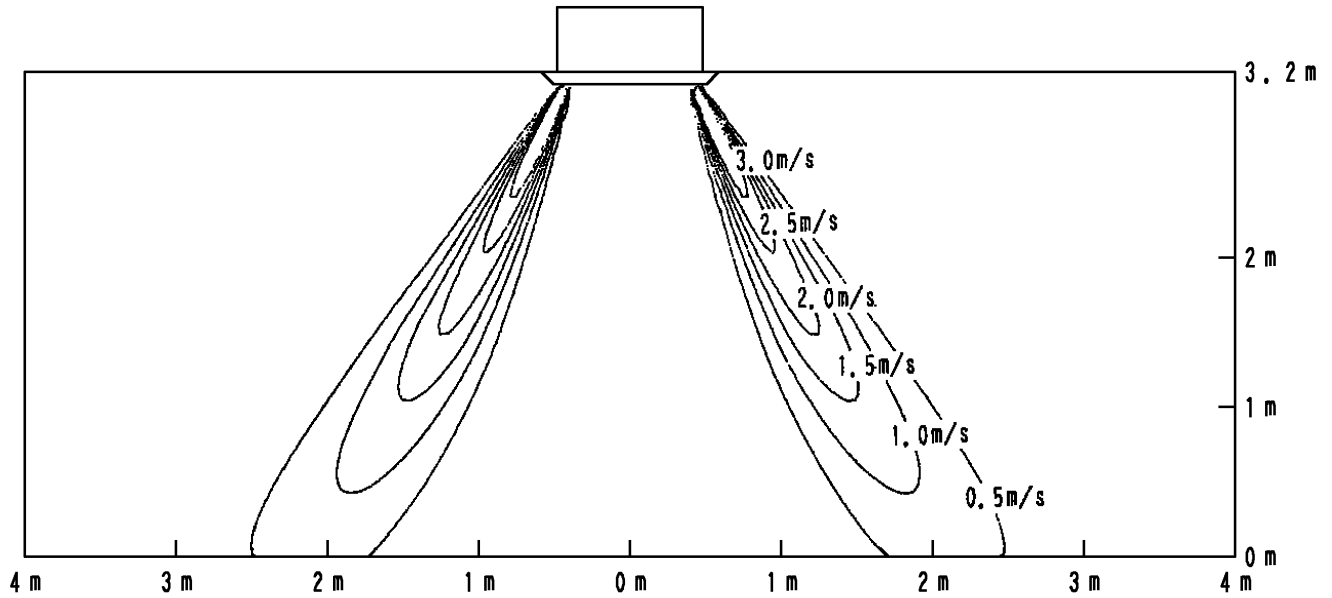
7 Air flow patterns & branch duct connections

7-1 Air flow patterns

FHYCP125B7

Heating - air velocity distribution

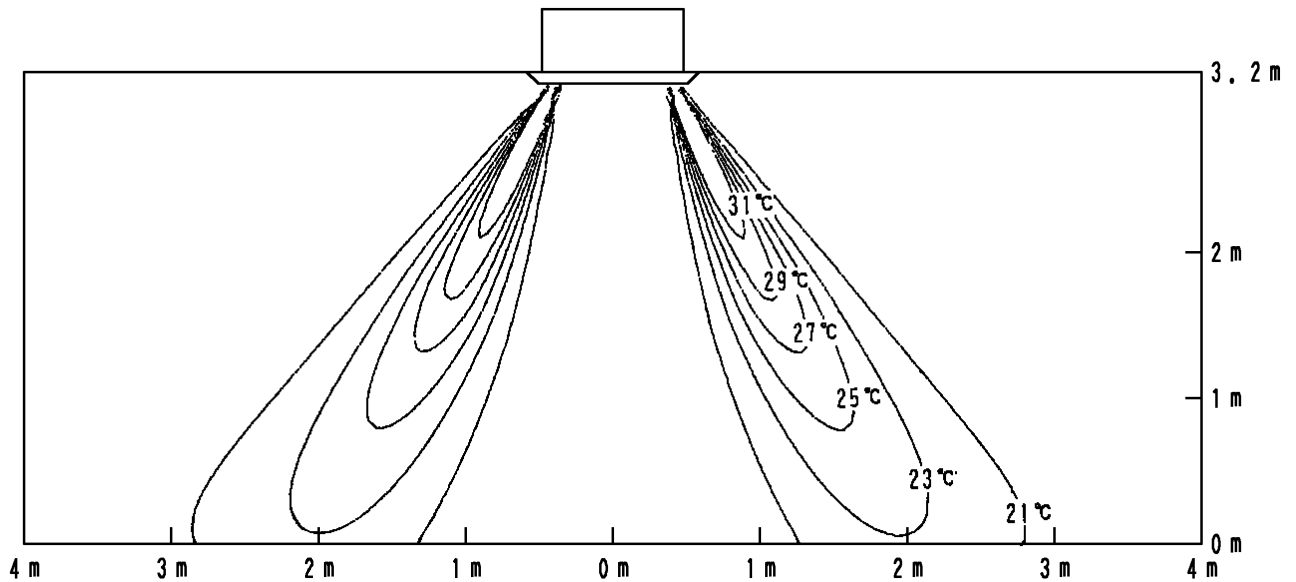
4-way discharge, air flow direction: down



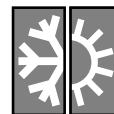
FHYCP125B7

Heating - air temperature distribution

4-way discharge, air flow direction: down



4D024120



7 Air flow patterns & branch duct connections

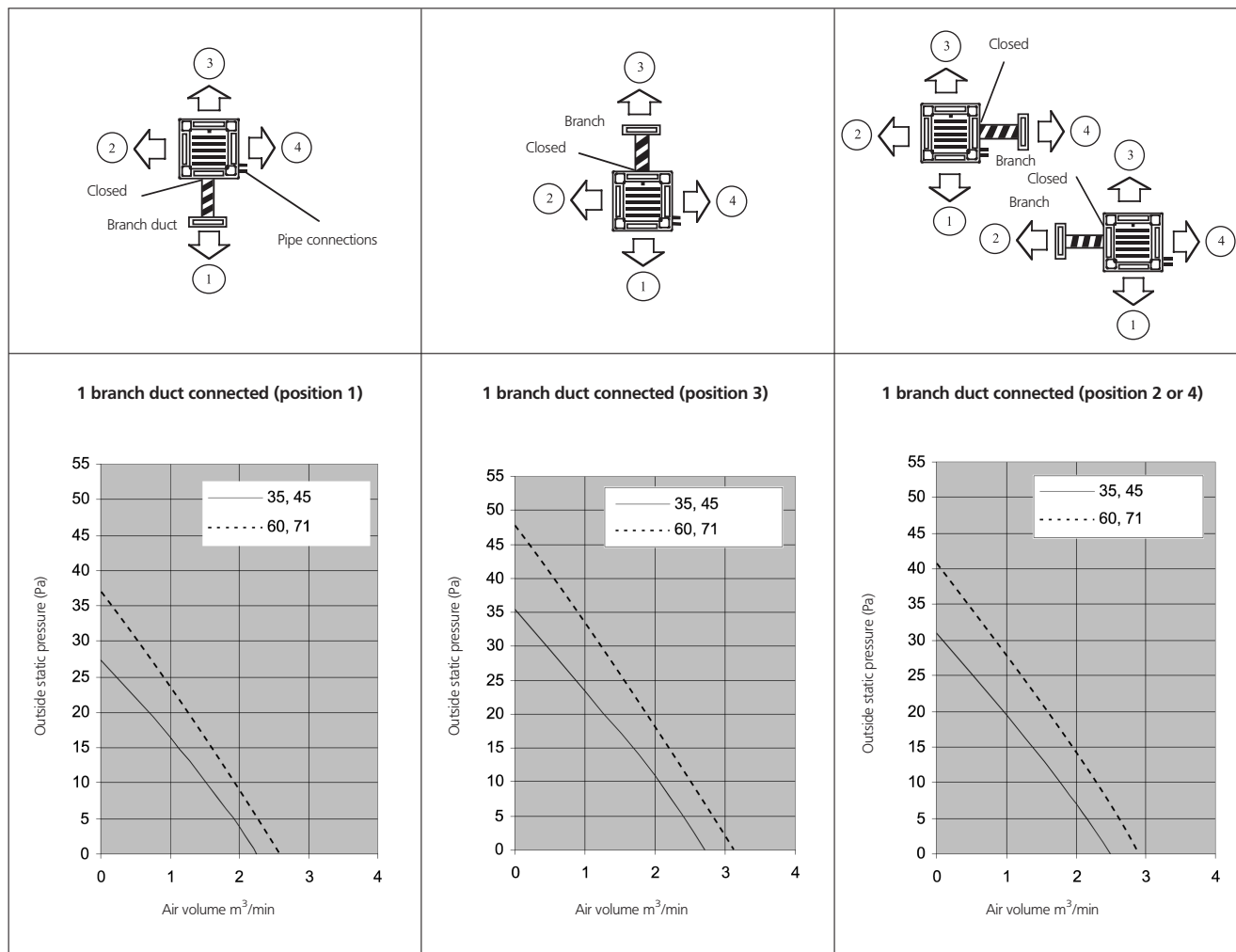
7-2 Branch duct connections

7 FHYP-B7

7-2

1 branch duct - 3 way blow

Discharge grill: K-DGSC4B (connection: diameter 150mm)
Flexible duct K-FDK154B (connection: diameter 150mm, length: 4m)
Air volume: 1,5-2,0 m³/min



3TW22839-7



7 Air flow patterns & branch duct connections

7-2 Branch duct connections

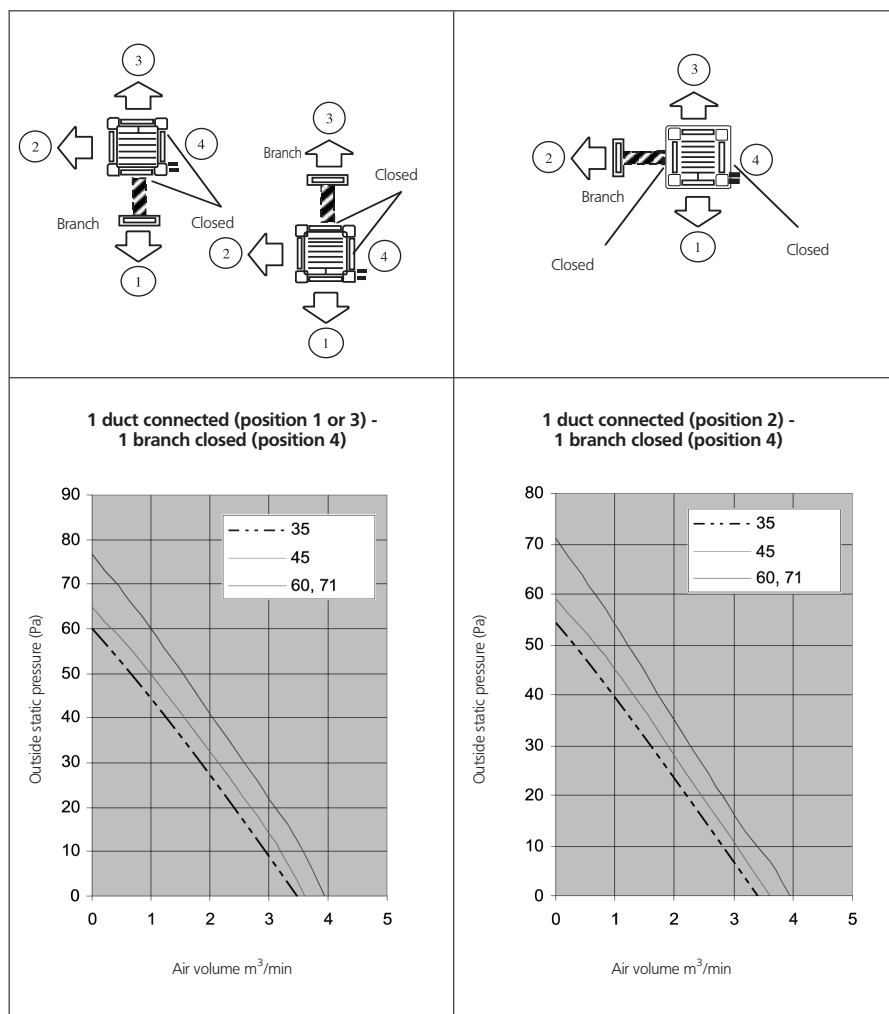
FHYCP-B7

1 branch duct - 2 way blow

Discharge grill: K-DGSC4B (connection: diameter 150mm)
Flexible duct K-FDK154B (connection: diameter 150mm, length: 4m)
Air volume: 2,0-3,0 m³/min

7

7-2



3TW22839-8



7 Air flow patterns & branch duct connections

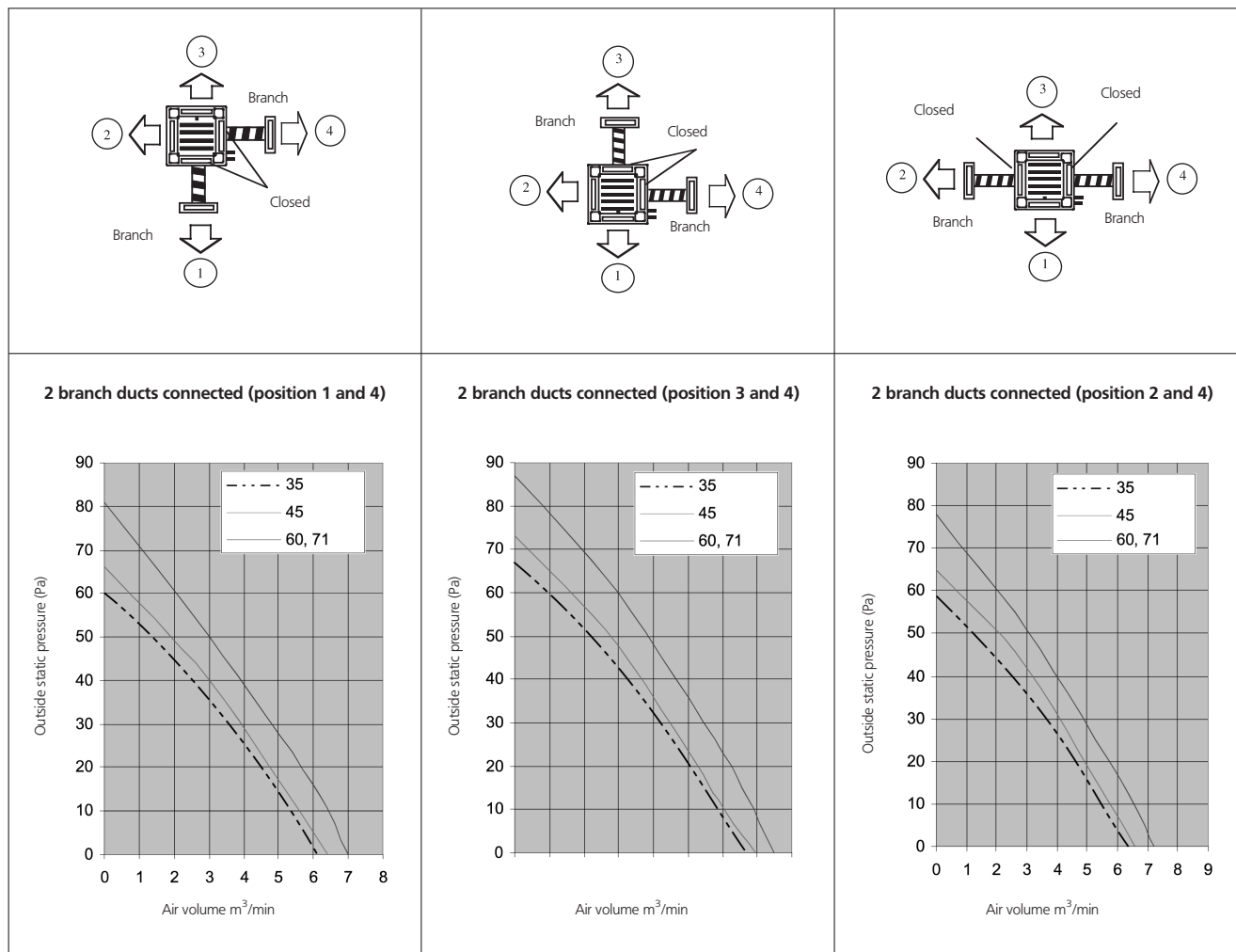
7-2 Branch duct connections

7 FHYCP-B7

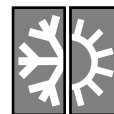
7-2

2 branch duct - 2 way blow

Discharge grill: K-DGSC4B (connection: diameter 150mm)
Flexible duct K-FDK154B (connection: diameter 150mm, length: 4m)
Air volume: 4,0-5,0 m³/min



3TW22839-9



7 Air flow patterns & branch duct connections

7-2 Branch duct connections

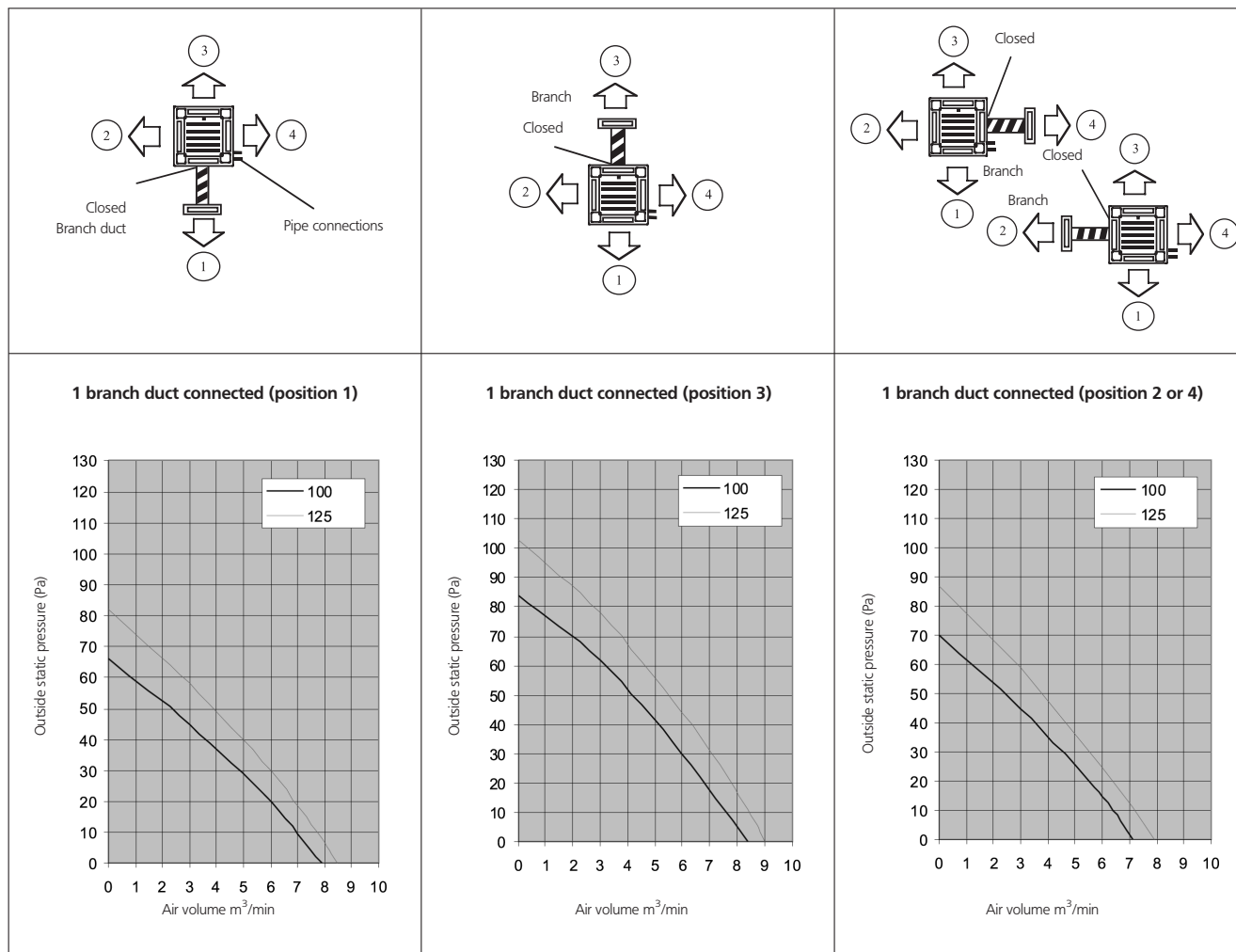
FHYCP-B7

1 branch duct - 3 way blow

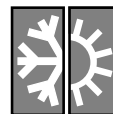
Discharge grill: K-DGSC4B (connection: diameter 200mm)
Flexible duct: K-FDK154B (connection: diameter 200mm, length: 6m)
Air volume: 5,0-7,0 m³/min

7

7-2



3TW22879-7



7 Air flow patterns & branch duct connections

7-2 Branch duct connections

7 FHYP-B7

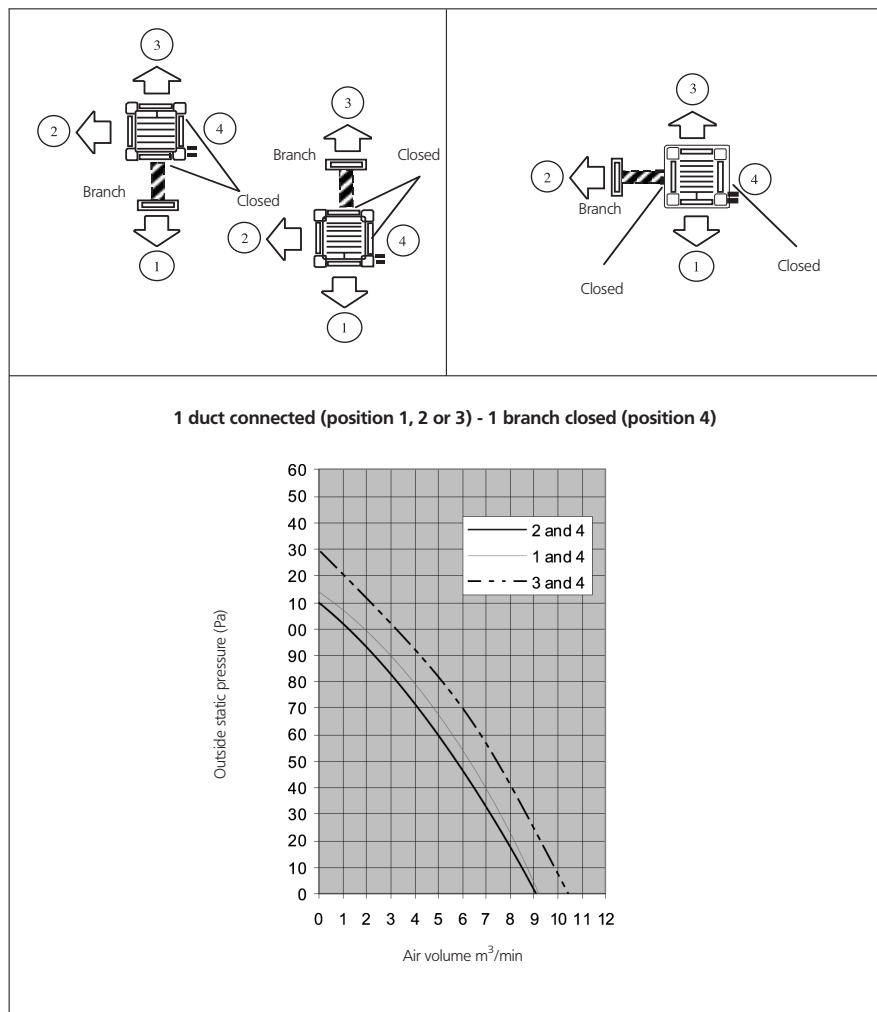
7-2

1 branch duct - 2 way blow

Discharge grill: K-DGSC4B (connection: diameter 200mm)

Flexible duct: K-FDK154B (connection: diameter 200mm, length: 6m)

Air volume: 7,0-10,0 m³/min



3TW22879-8



7 Air flow patterns & branch duct connections

7-2 Branch duct connections

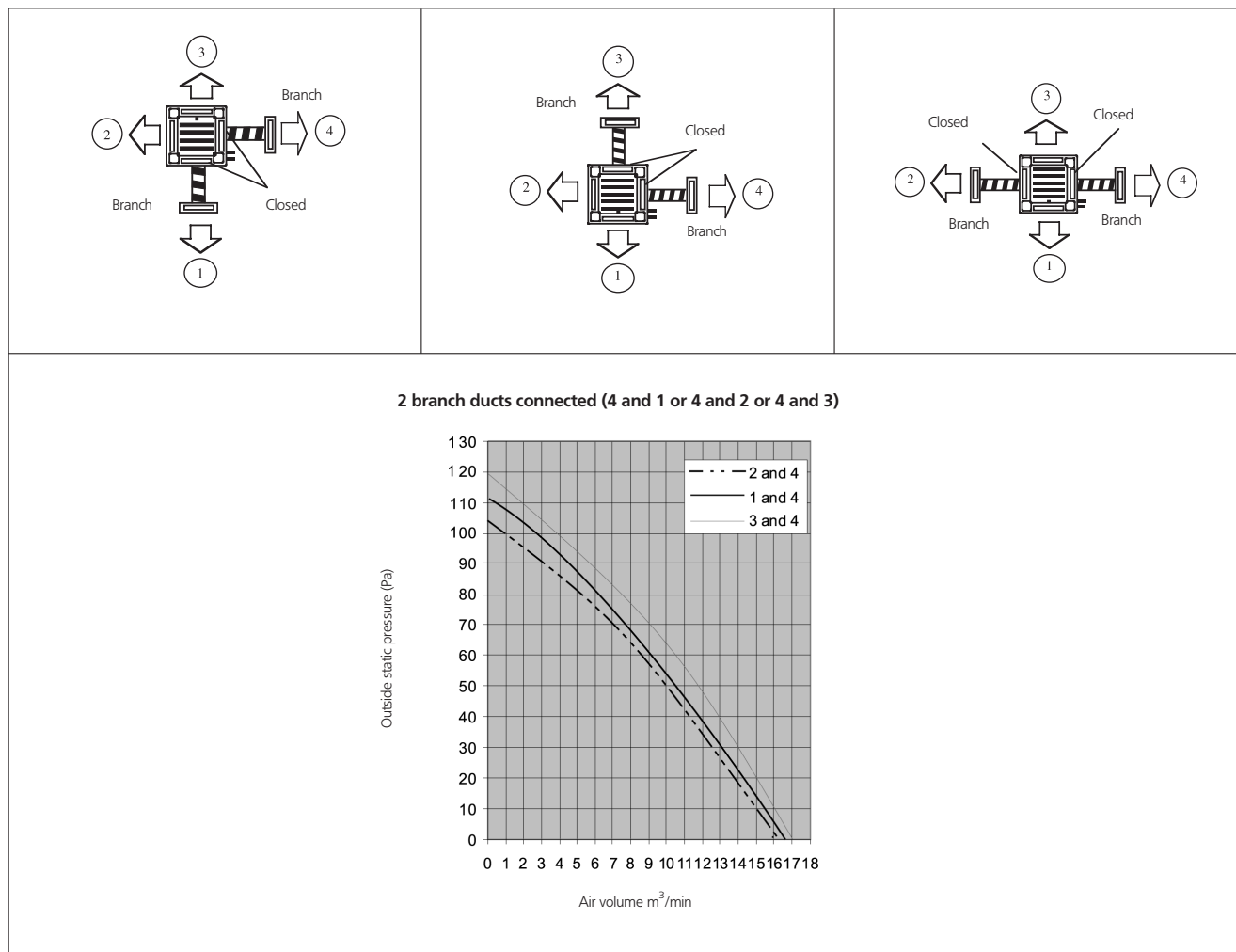
FHYCP-B7

2 branch duct - 2 way blow

Discharge grill: K-DGSC4B (connection: diameter 200mm)
Flexible duct: K-FDK154B (connection: diameter 200mm, length: 6m)
Air volume: 9,0-11,0 m³/min

7

7-2











3TW22879-9



8 Accessories

8-1 Standard accessories

8 Check if the following accessories are included with your unit.
8-1

 Clamp 1 pc.	Also used as packing material  Paper pattern for installation 1 pc.	 Drain hose 1 pc.
 Screws M5 For paper pattern for installation 4 pcs.	 Washer for hanging bracket 8 pcs.	 Sealing 2 pcs.
 For gas pipe	Insulation for fitting 1 of each  For liquid pipe	Other: installation manual, operation manual



8 Accessories

8-2 Optional accessories

Options

Item	Model		FHYCP35	FHYCP45	FHYCP60	FHYCP71	FHYCP100	FHYCP125
Decoration panel			BYC125K7W1B					
Filter related	High efficiency filter 65%	Colorimetric method	KAFJ556K80				KAFJ556K160	
	High efficiency filter 90%	Colorimetric method	KAFJ557K80				KAFJ557K160	
	Replacement high efficiency filter 65%	Colorimetric method	KAFJ552K80				KAFJ552K160	
	Replacement high efficiency filter 90%	Colorimetric method	KAFJ553K80				KAFJ553K160	
	Filter chamber		KDDFJ55K160					
	Replacement long-life filter	Non-woven type	KAFJ551K160					
	Ultra-long life filter		KAFJ55K160					
	Replacement ultra long-life filter		KAFJ55K160H					
Fresh air intake kit	Chamber type	Without T-shape and fan	KDDJ55B160					
		With T-shape, and fan	KDDJ55B160F					
		With T-shape, without fan	KDDJ55B160K					
	Direct installation type		KDDJ55X160					
Sealing member of air discharge outlet			KDBHJ55B160					
Panel spacer			KDBJ55K160W					
Branch duct chamber			KDJ55B80				KDJ55B160	
Chamber connection kit			KKSJ55K160					

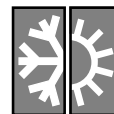
Control systems

Item	Model		FHYCP35	FHYCP45	FHYCP60	FHYCP71	FHYCP100	FHYCP125
Remote control	Infrared	Heat pump	BRC7C512W					
		Cooling only	BRC7C513W					
	Wired		BRC1D527					
Wiring adapter (hour meter) *1			EKR1B2					
Wiring adaptor for electrical appendices *2			KRP1B57					
Wiring adaptor for electrical appendices *2			KRP4A53					
Remote sensor			KRCS01-1					
Installation box for adapter PCB			KRP1C98					
Central remote control			DCS302C51					
Electrical box with earth terminal (3 blocks)			KJB311A					
Unified ON/OFF control			DCS301B51					
Electrical box with earth terminal (2 blocks)			KJB212A					
Noise filter (for electromagnetic interface use only)			KEK26-1					
Schedule timer			DST301B51					
Interface adapter for Sky Air series			DTA102A52					
Remote ON/OFF, forced OFF			EKRORO					

*1 Possibility to connect an hour meter. This part should not be installed inside the equipment.

*2 Installation box for adapter PCB (KRP1C93) is necessary.

3TW22839-6B



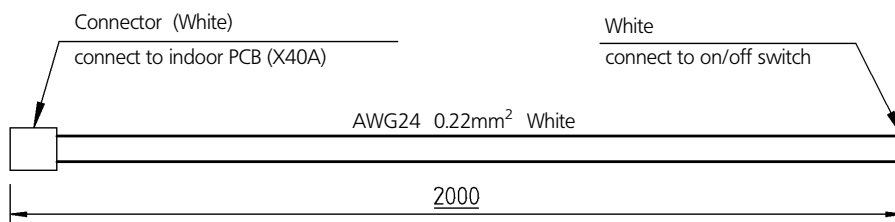
8 Accessories

8-2 Optional accessories

8 Specifications EKRORO

8-2

Wire specifications



Operating method

Input	Switch	ON*	
	OFF	OFF	
Remote control	ON	ON	
	OFF	OFF	
Unit	Standard setting: 'forced off'	ON	
	OFF	OFF	
Alternative setting: 'on/off'	ON	ON	
	OFF	OFF	

* 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



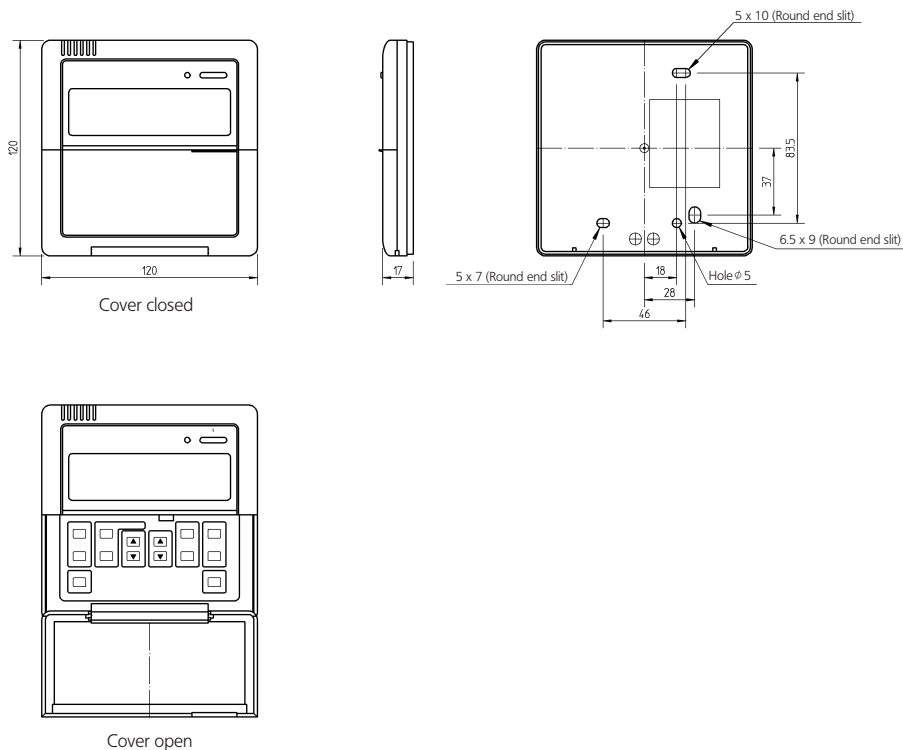
9 Control systems

9-1 Wired remote control

9

9-1

BRC1D527

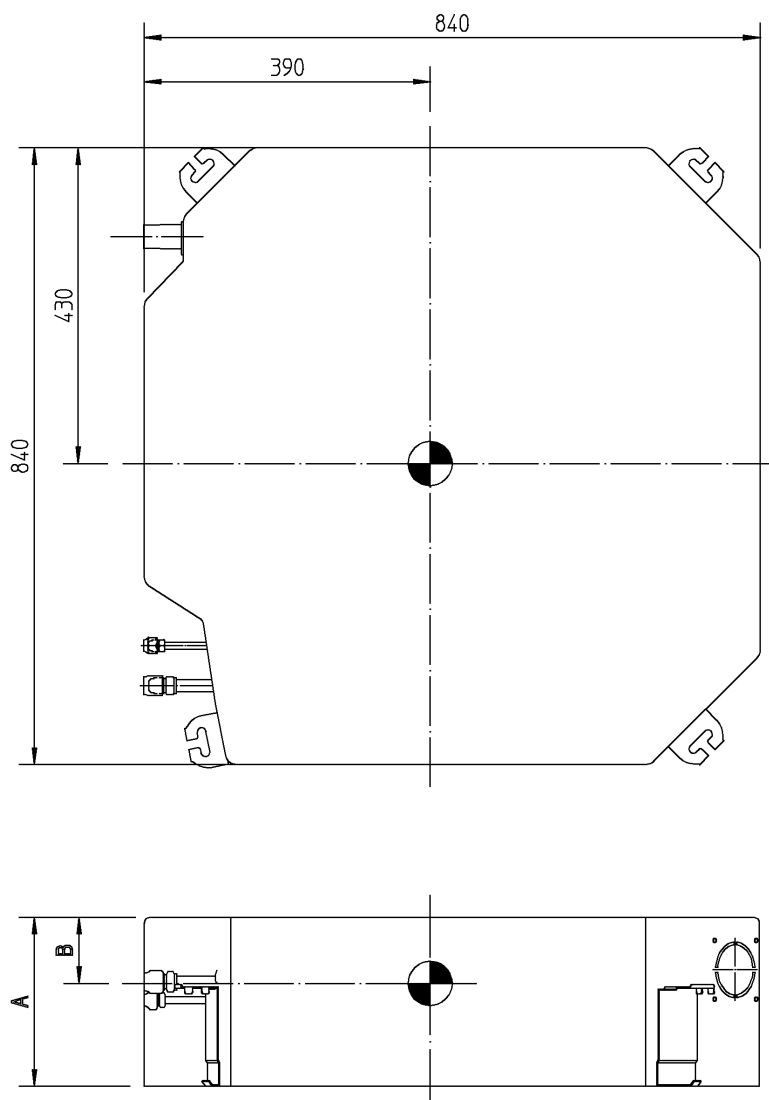


3TW23651-2



10 Center of gravity

10



Model	A	B
FHYCP35-71B7	230	90
FHYCP100-125B7	288	120

4TW22839-2A

11 Safety device settings

Model	Safety devices	35	45	60	71	100	125
FHYCP-B7	Fan motor thermal protector (°C)	OFF: 130±5 ON: 80±20	OFF: 130±5 ON: 80±20	OFF: 130±5 ON: 80±20	OFF: 130±5 ON: 80±20	OFF: 130±5 ON: 80±20	OFF: 130±5 ON: 80±20
	Drain pump fuse (°C)	145	145	145	145	145	145

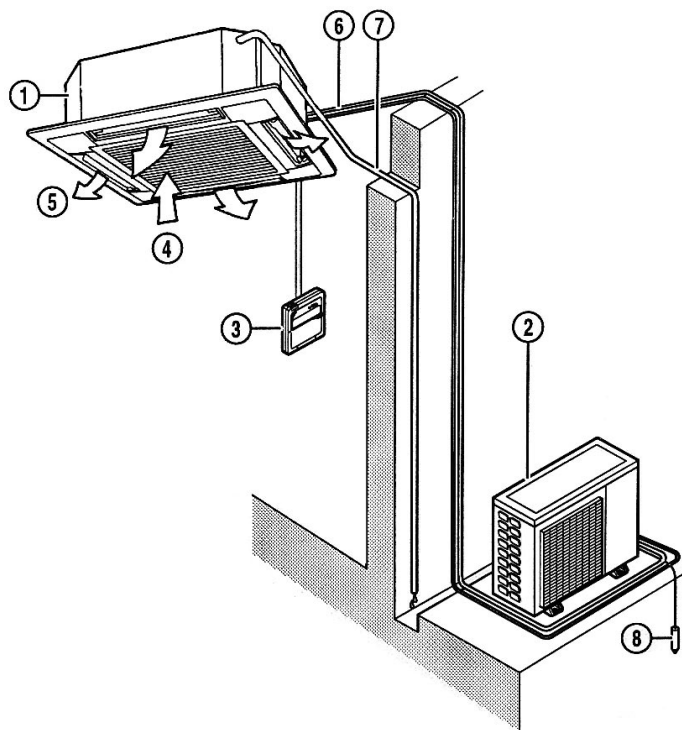
3TW22831-3A



12 Installation

12

FHYCP-B7



Number	Description
1	Indoor unit
2	Outdoor unit
3	Wired remote control
4	Inlet air
5	Discharged air
6	Refrigerant piping, connection electric wire
7	Drain pipe
8	Ground wire Wire to ground from the outdoor unit to prevent electrical shocks.
9	Air filter

