



# technical data

**FTXG-C**



**Stylish Wall Mounted,  
Inverter Controlled 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.

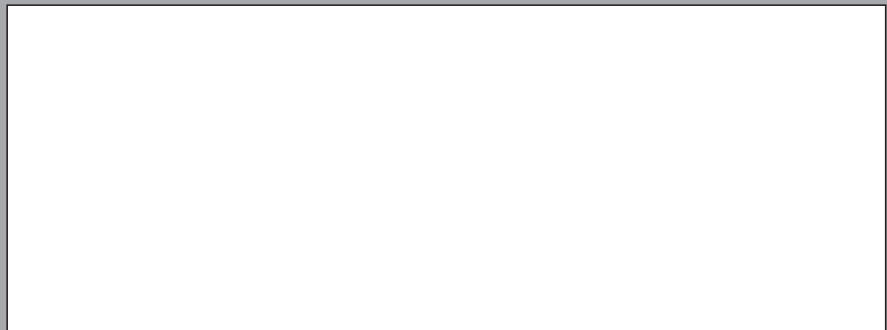


Daikin Europe N.V. is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.

Specifications are subject to change without prior notice.

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# TABLE OF CONTENTS

## FTXG

1	Features .....	2
2	Specifications .....	3
	Nominal capacity, capacity steps and nominal input	
	Technical specifications	
3	Dimensional drawings .....	5
4	Piping diagrams .....	6
5	Wiring diagrams .....	7
6	Sound level .....	8
	Sound level data	
	Sound pressure spectrum	
7	Accessories .....	10
	Standard accessories	
	Optional accessories	
8	Center of gravity .....	11

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



# 1 Features



## 1

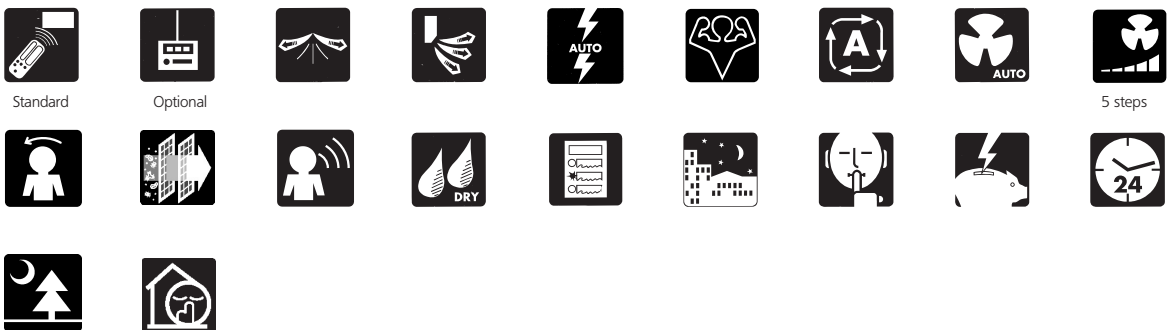
- Stylish and compact design:  
The compact design and sophisticated finish of the front panel creates a sense of new stylishness that softly harmonizes with your living room.
- State of the art design: For this model Daikin received the "Good Design Award 2003" in Japan.



Good Design Award

- This new stylish wall mounted unit is available in 3 colour variations.
- Sensational thinning technology:  
Due to the use of a slide-opening system, a high efficiency slit fin heat exchanger and a brand new cross flow fan with a smaller diameter, Daikin succeeded in creating an indoor unit with a compact depth of only 15 cm.
- Highest energy in the market: EER = 4.03 & COP = 4.12  
These top of the class values are achieved by the following 3 technologies:
  - PAM inverter control
  - Reluctance DC motor and DC fan motor
  - Swingcompressor
- The new 'Comfort mode' function reassures draught free operation.

- For the first time, a titanium apatite photocatalytic air purification filter is integrated in an air conditioning unit. Micron-scale fibers trap dust while the titanium apatite absorbs organic contaminants such as bacteria and viruses. In addition, the titanium oxide is activated by natural light, allowing it to break down and eliminate odours.
- The indoor/outdoor unit silent operation function brings us comfort by offering an industry top-level quiet operation of 22dB(A) for the indoor unit and 43dB(A) for the outdoor unit.
- The movement sensor automatically saves power consumption in unoccupied rooms.



## 2 Specifications



NOMINAL CAPACITY and NOMINAL INPUT						
For indoor units only:						
INDOOR UNITS			FTXG25CVMBW	FTXG25CVMBS	FTXG35CVMBW	FTXG35CVMBS
NOMINAL INPUT	Cooling	kW	0.03	0.03	0.03	0.03
	Heating	kW	0.03	0.03	0.03	0.03

For combination indoor + outdoor units (air cooled):							
INDOOR UNITS				FTXG25CVMBW	FTXG25CVMBS	FTXG35CVMBW	FTXG35CVMBS
OUTDOOR UNITS				RXG25CVMB		RXG35CVMB	
NOMINAL CAPACITY (3)	Cooling	min.–nom.–max.	kW	1.3–2.5–3.0	1.3–2.5–3.0	1.4–3.5–3.8	1.4–3.5–3.8
	Heating	min.–nom.–max.	kW	1.3–3.4–4.5	1.3–3.4–4.5	1.4–4.2–5.0	1.4–4.2–5.0
NOMINAL INPUT	Cooling	min.–nom.–max.	kW	0.30–0.62–0.95	0.30–0.62–0.95	0.30–1.06–1.29	0.30–1.06–1.29
	Heating	min.–nom.–max.	kW	0.29–0.825–1.42	0.29–0.825–1.42	0.31–1.135–1.56	0.31–1.135–1.56
EER				4.03	4.03	3.30	3.30
COP				4.12	4.12	3.70	3.70
ENERGY LABEL	Cooling			A	A	A	A
	Heating			A	A	A	A
ANNUAL ENERGY CONSUMPTION	Cooling		kWh	310	310	530	530

TECHNICAL SPECIFICATIONS							
For indoor units only:							
INDOOR UNITS				FTXG25CVMBW	FTXG25CVMBS	FTXG35CVMBW	FTXG35CVMBS
DIMENSIONS	Unit	H	mm	275			
		W	mm	840			
		D	mm	150			
WEIGHT	Unit		kg	9.0			
COLOUR	Unit	Mat crystal white (W) / Mat crystal silver (S)					
SOUND LEVEL	Sound pressure (cooling/heating) (3)	high	dB(A)	38/38			39/39
		low	dB(A)	25/28			26/29
		super low	dB(A)	22/25			23/26
FAN	Sound power (cooling/heating) (4)	high	dB(A)	56*			57*
		low	dB(A)				
FAN	Air flow rate (cooling/heating)	high	m <sup>3</sup> /min	7.4/7.7			7.9/7.9
		low	m <sup>3</sup> /min	4.4/6.0			4.7/6.0
		super low	m <sup>3</sup> /min	3.7/5.0			4.1/5.1
	Speed	steps	5 steps, silent and auto				
	Type		Cross flow fan				
HEAT EXCHANGER	Motor output		W	40			
	Type			Slit fin, $\phi$ 7 groove tube			
HEAT EXCHANGER	Rows x stages x fin pitch		mm	1 x 4 x 1.1			1 x 4 x 1.1
	AIR FILTER	Removable/washable/mildew proof					
TEMPERATURE CONTROL	Microcomputer control						
PIPING CONNECTIONS	liquid		mm	$\phi$ 6.4			
	gas		mm	$\phi$ 9.5			
	drain		mm	$\phi$ 18.0			
INSULATION MATERIAL	Heat insulation tape	Both liquid and gas pipes					
For outdoor units	Pair application	See chapter RXG-C					

## 2 Specifications



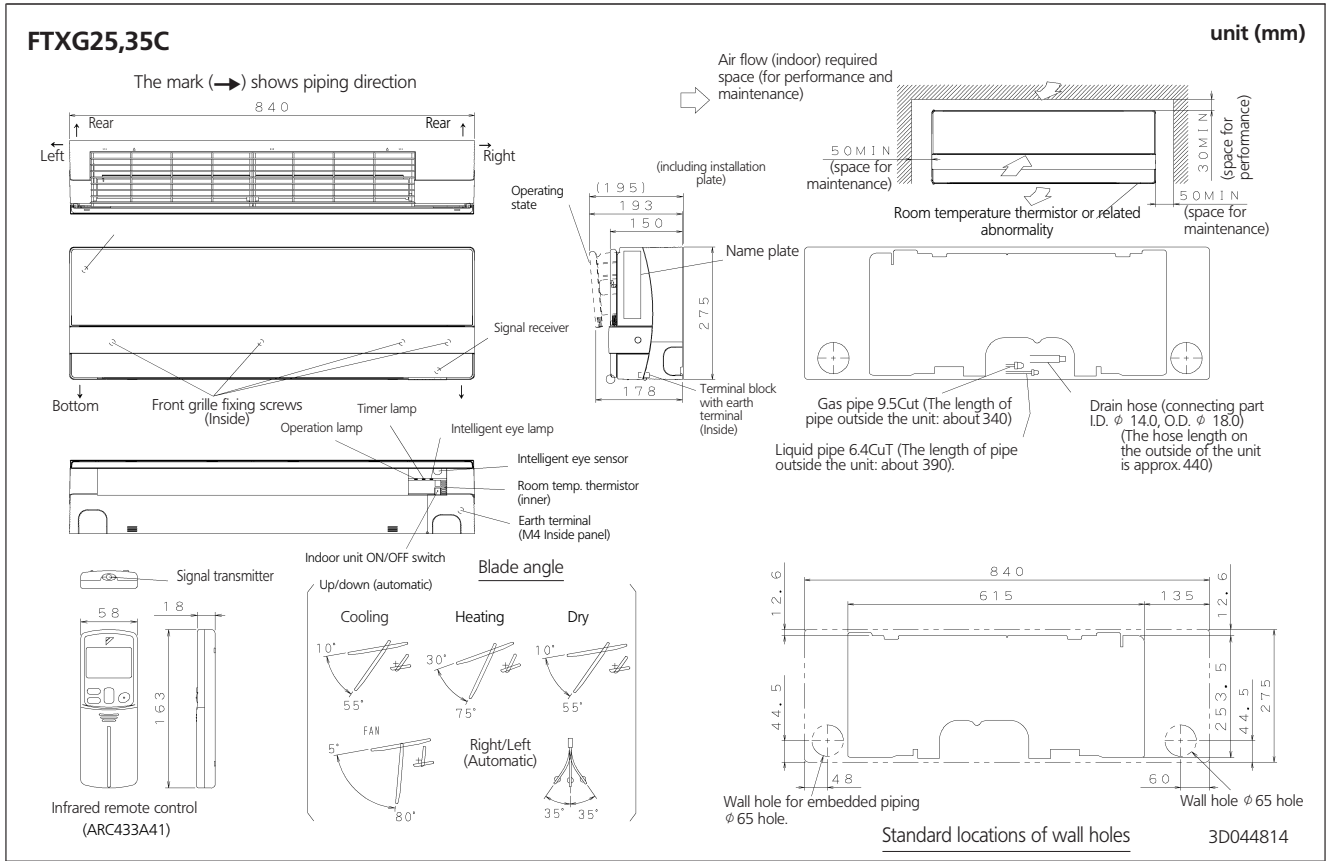
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ELECTRICAL SPECIFICATIONS							
<b>For indoor units only:</b>				<b>FTXG25CVMBW</b>	<b>FTXG25CVMBS</b>	<b>FTXG35CVMBW</b>	<b>FTXG35CVMBS</b>
CURRENT	Nominal running current	cooling	A	0.14		0.14	
		heating	A	0.14		0.14	
	Maximum running current	cooling	A	See chapter RXG-C: electrical data		See chapter RXG-C: electrical data	
		heating	A				
<b>For combination indoor units + outdoor units:</b>				<b>FTXG25CVMBW</b>	<b>FTXG25CVMBS</b>	<b>FTXG35CVMBW</b>	<b>FTXG35CVMBS</b>
				<b>RXG25CVMB</b>		<b>RXG35CVMB</b>	
CURRENT	Nominal running current	cooling	A	3.4/4.5		4.9/5.2	
	Maximum running current	cooling	A	See chapter RXG-C: electrical data		See chapter RXG-C: electrical data	
	Starting current	cooling	A				
<b>For indoor units only:</b>				<b>FTXG25CVMBW</b>	<b>FTXG25CVMBS</b>	<b>FTXG35CVMBW</b>	<b>FTXG35CVMBS</b>
POWER SUPPLY				VM	VM	VM	VM
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase			1~	1~	1~	1~
	Frequency		Hz	50	50	50	50
	Voltage		V	230	230	230	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 (horizontal) \* 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 via a microphone at 1m 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 The Energy Label Directive 2002/31/EC will enter into force once the relevant measurement standard will be published in the European Official Standard.
- 8 Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions)

# 3 Dimensional drawings



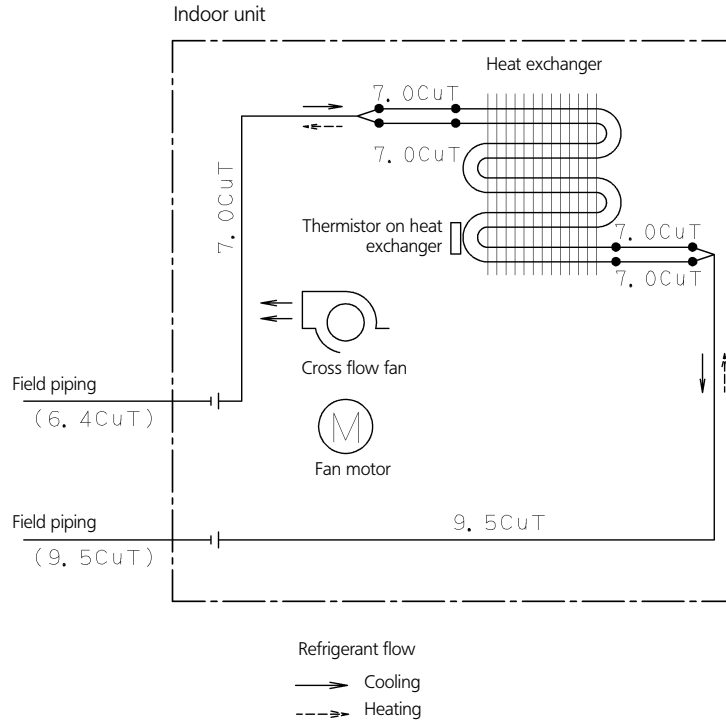
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# 4 Piping diagrams

## 4

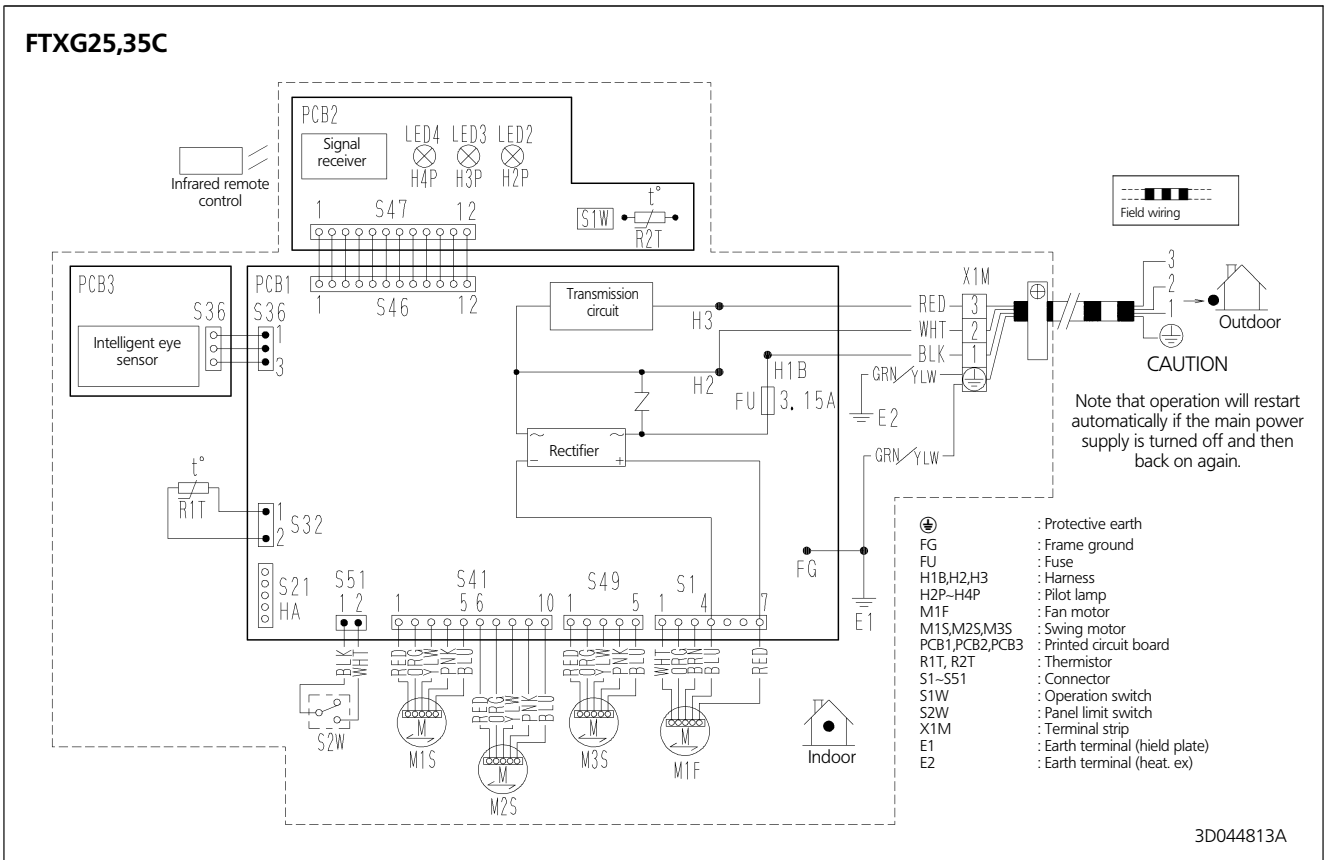
FTXG25,35C



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# 5 Wiring diagrams



# 6 Sound level

## 6-1 Sound level data



**6**  
6-1

Model	Sound pressure level		Measuring location	Sound power level
	230V, 50Hz			Cooling (H)
	Cooling			
	Cooling (H/L/SL)	Heating (H/L/SL)		
FTXG25CVMB	38/25/22	38/28/25	Location of microphone 	56
FTXG35CVMB	39/26/23	39/29/26		57



# 6 Sound level

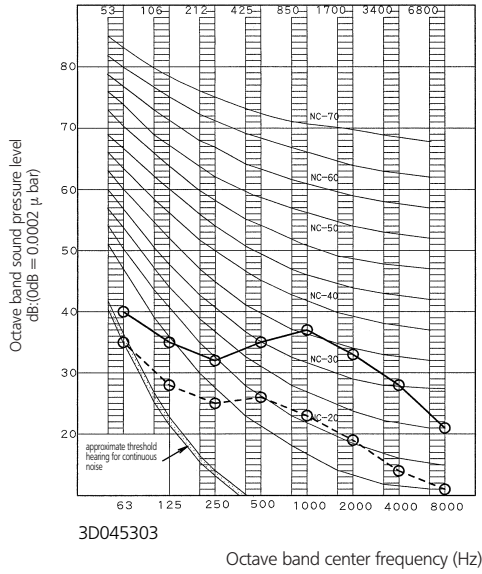
## 6-2 Sound pressure spectrum

### Heat pump

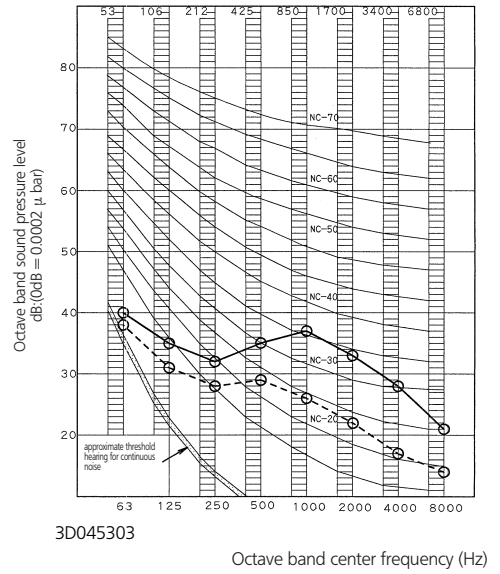
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6-2

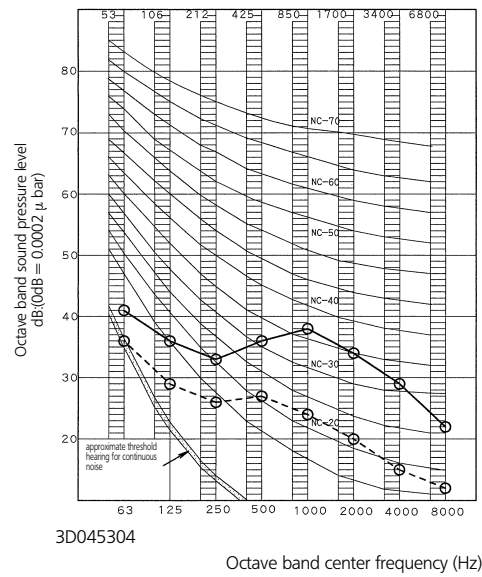
FTXG25C (Cooling)



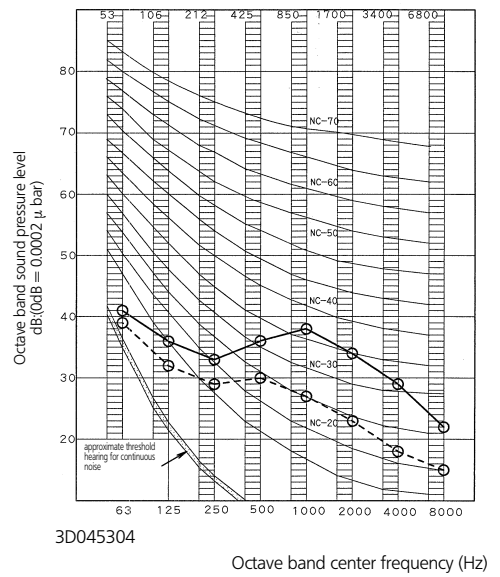
FTXG25C (Heating)



FTXG35C (Cooling)



FTXG35C (Heating)



**NOTE**

- 1 Operation noise differs with operation and ambient conditions.

Legend

- 50/60Hz 220-240/220-230V(H)
- -○ 50/60Hz 220-240/220-230V(L)

# 7 Accessories

## 7-1 Standard accessories



### 7 7-1

#### FTXG25,35C

Ⓐ Mounting plate	1	Ⓓ Remote control holder	1	Ⓔ Operation manual	1
Ⓑ Titanium Apatite Photocatalytic Air-Purifying Filter	2	Ⓔ AAA dry-cell batteries	2	Ⓕ Installation manual	1
Ⓒ Infrared remote control	1	Ⓕ Indoor unit fixing screws M4x12L	1		

## 7-2 Optional accessories

#### FTXG25,35C

Option name		25	35
Wiring adapter for time clock / remote control (1)	Normal open contact		KRP413A1S
	Normal open pulse contact		KRP413A1S
Centralised control board	1 up to 5 rooms (2)		KRC72
Central remote control			DCS302C51
Unified ON/OFF control			DCS301B51
Schedule timer			DST301B51
Interface adapter (3)			KRP928A2S
Air purification filter with deodorising function (with frame)			KAF952A41
Air purification filter with deodorising function (without frame)			KAF952A42
Anti-theft protection for remote control			KKF917A4

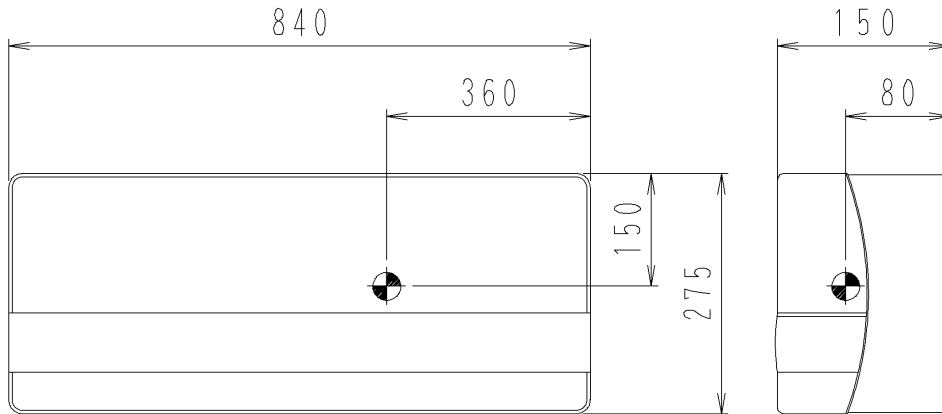
- (1) Wiring adapter is also required for each indoor unit.
- (2) Wiring adapter supplied by Daikin. Time clock and other devices: field supply.
- (3) For DIII-NET adapter

## 8 Center of gravity



FTXG25,35C

8



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