



Ceiling Cassette - 4way Compact FDTC

Model No.

FDTC15KXZE1-W
FDTC22KXZE1-W
FDTC28KXZE1-W
FDTC36KXZE1-W
FDTC45KXZE1-W
FDTC56KXZE1-W

FDTC15KXZE1
FDTC22KXZE1
FDTC28KXZE1
FDTC36KXZE1
FDTC45KXZE1
FDTC56KXZE1

*R32 indoor unit are not compatible with
R410A outdoor unit and vice versa.



**Draft Prevention
Panel (option)**



Grid type

Remote control (option)

Wired



RC-EX3D



RC-E5



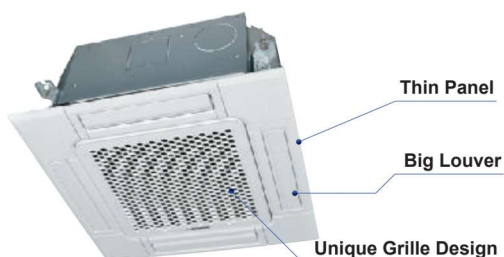
RCH-E3

Wireless



RCN-TC-5AW-E3

European design & Flat panel



Unique Grille Design

A grille designed with a unique structure and a clean white panel that blends with the room.



Honeycomb type



Grid type

Integrated ceiling system design 600x600

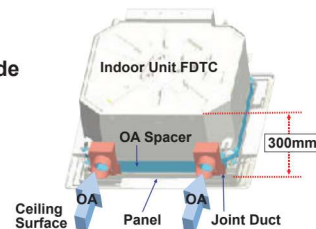


Easy installation - with a weight of only 14kg, a thin panel, and a main body size of only 248mm.

Taking OA (Outside Air) into inside

Fresh air can be taken in without optional parts. When the fresh air is insufficient, optional parts can be used.

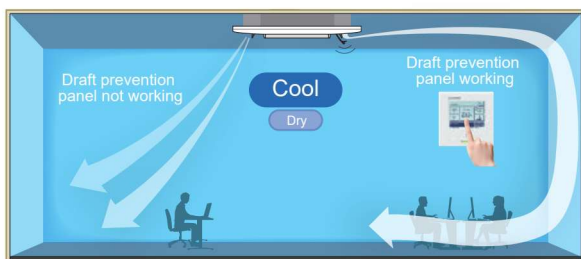
OA Spacer TC-OAS-E2(option)
Joint Duct TC-OAD-E(option)



Draft Prevention Panel

(Option)

This prevents cold/hot draft being blown directly on the user. It is possible to set Draft Prevention Panel for each air outlet.

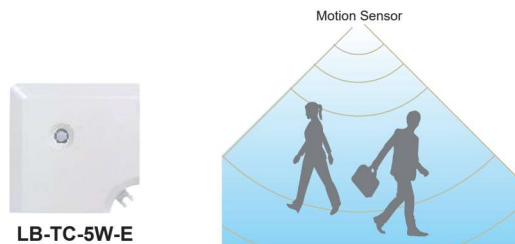


User can position panels by using the remote controller (RC-EX3D, Wireless kit) only when Draft Prevention Panel is available.

Motion Sensor

(Option)

Motion sensor is equipped in the corner of the panel and detects the presence/absence and activity of humans in a room to improve the comfort and energy saving performance of the unit.

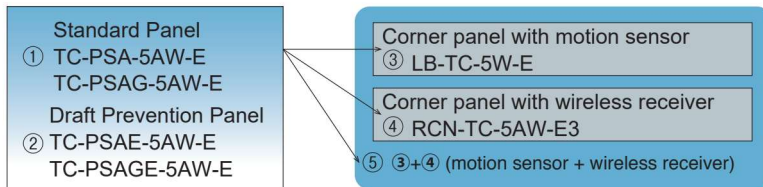


LB-TC-5W-E

Panel select pattern

(Option)

8 patterns of panel are available.



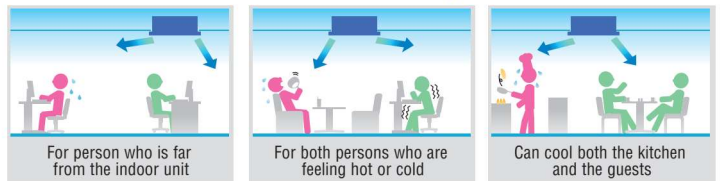
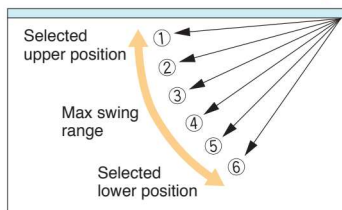
- ① Standard Panel only
- ①+③ Standard Panel with corner panel with motion sensor
- ①+④ Standard Panel with corner panel with wireless receiver
- ①+⑤ Standard Panel with corner panel with motion sensor & corner panel with wireless receiver
- ② Draft Prevention Panel only
- ②+③ Draft Prevention Panel with corner panel with motion sensor
- ②+④ Draft Prevention Panel with corner panel with wireless receiver
- ②+⑤ Draft Prevention Panel with corner panel with motion sensor & corner panel with wireless receiver

Individual flap control system

According to room temperature conditions, four directions of air flow can be controlled individually by following Flap control system. Individual flap control is available even after installation.

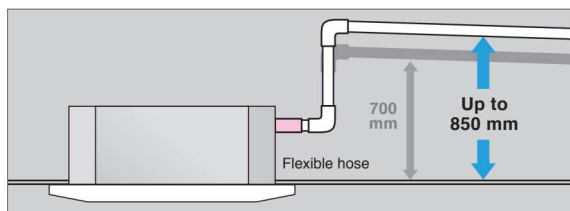
The flap can swing within the range of upper and lower flap position selected with wired remote control.

*The wireless remote control is not applicable to the Individual flap control system.



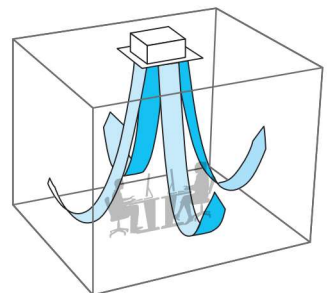
850mm Drain Pump

Drain can be discharged upward by 850 mm from the ceiling surface close to the indoor unit. It allows a piping layout with a high degree of freedom depending on the installation location.



Suitable for High ceilings

The Powerful blowout carries comfortable air flow to the floor even in high ceiling applications. It is ideal for high ceiling offices, stores, etc., with a wide, uniform air flow throughout the room.



Specifications



Item	Model		FDTCT15KXZE1-W	FDTCT22KXZE1-W	FDTCT28KXZE1-W	FDTCT36KXZE1-W	FDTCT45KXZE1-W	FDTCT56KXZE1-W
Nominal cooling capacity	kW		1.5	2.2	2.8	3.6	4.5	5.6
Nominal heating capacity	kW		1.7	2.5	3.2	4.0	5.0	6.3
Power source			1 Phase 220-240V, 50Hz					
Power consumption	Cooling	kW	0.03-0.03			0.04-0.04	0.05-0.05	0.06-0.06
	Heating		0.03-0.03			0.04-0.04	0.05-0.05	0.06-0.06
Sound power level		dB(A)	Cooling:47 Heating:46	49		Cooling:54 Heating:53	Cooling:58 Heating:57	60
Sound pressure level	Cooling Heating	dB(A)	P-Hi:33 Hi:30 Me:28 Lo:25 P-Hi:33 Hi:30 Me:26 Lo:22	P-Hi:35 Hi:32 Me:29 Lo:25		P-Hi:39 Hi:36 Me:31 Lo:26	P-Hi:43 Hi:39 Me:36 Lo:28	P-Hi:47 Hi:43 Me:39 Lo:31
Exterior dimensions (H x W x D)		mm	Unit:248x570x570 Panel:10x620x620					
Net weight		kg	Unit:12.5 Standard Panel:2.5	Unit:13 Standard Panel:2.5		Unit:14 Standard Panel:2.5		
Air flow	Cooling Heating	m³/min	P-Hi:8 Hi:7 Me:6 Lo:5	P-Hi:9 Hi:8 Me:7 Lo:6		P-Hi:10 Hi:9 Me:8 Lo:6	P-Hi:12 Hi:10 Me:9 Lo:7	P-Hi:14 Hi:12 Me:10 Lo:8
Outside air intake			Possible					
Panel			TC-PSA-5AW-E, TC-PSAE-5AW-E (Honeycomb) / TC-PSAG-5AW-E, TC-PSAGE-5AW-E (Grid)					
Air filter, Q'ty			Pocket Plastic net x1 (Washable)					
Remote control (option)			wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-TC-5AW-E3					
Installation data Refrigerant piping size		mm(in)	Liquid line:ø6.35(1/4") Gas line:ø9.52(3/8")			Liquid line:ø6.35(1/4") Gas line:ø12.7(1/2")		

1. The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

Specifications



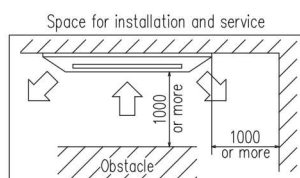
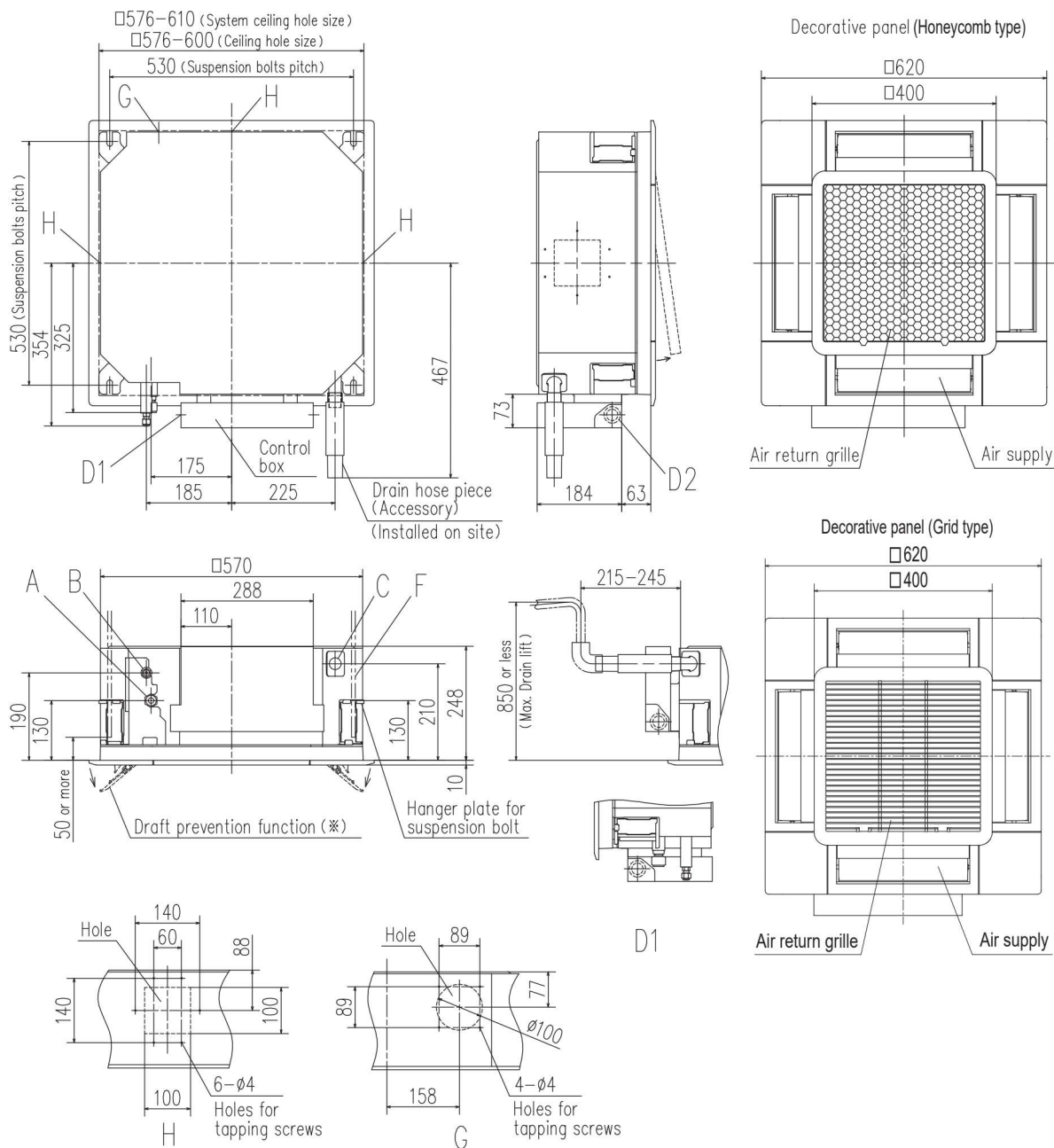
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Sound power level		dB(A)	Cooling:47 Heating:46	49		Cooling:54 Heating:53	Cooling:58 Heating:57	60
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Net weight		kg	Unit:12.5 Standard Panel:2.5	Unit:13 Standard Panel:2.5		Unit:14 Standard Panel:2.5		
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Outside air intake			Possible					
Panel			TC-PSA-5AW-E, TC-PSAE-5AW-E (Honeycomb) / TC-PSAG-5AW-E, TC-PSAGE-5AW-E (Grid)					
Air filter, Q'ty			Pocket Plastic net x1 (Washable)					
Remote control (option)			wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-TC-5AW-E3					
Installation data Refrigerant piping size		mm(in)	Liquid line:ø6.35(1/4") Gas line:ø9.52(3/8")			Liquid line:ø6.35(1/4") Gas line:ø12.7(1/2")		

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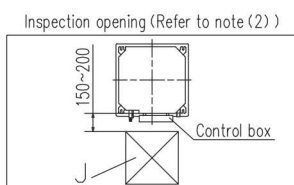


Dimensions

All measurements in mm.



Make a space of 4000 or more between the units when installing more than one.



- Notes
- (1) The model name label is attached to the control box lid.
 - (2) This unit is designed for 2x2 grid ceiling.
If it is installed on a ceiling other than 2x2 grid ceiling, provide an inspection opening on the control box side.
 - (3) Draft prevention function (※) is provided on the panel TC-PSAE-5AW-E, TC-PSAGE-5AW-E only.

Symbol	Content		
	Model	15,22,28	36,45,56
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP25 (O.D.32)	
D1	Power source connection		
D2	Remote control code and signal wiring connection		
F	Suspension bolts	(M10 or M8)	
G	Outside air opening for ducting	(Knock out)	
H	Air outlet opening for ducting	φ125 (Knock out)	
J	Inspection opening	450X450	