



# Ceiling Cassette -4way Compact FDTC

**NEW**

## Model No.

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



**Draft Prevention Panel (option)**

## Remote control (option)

Wired



**RC-EX3A RC-E5 RCH-E3**

Wireless



**RCN-TC-5AW-E2**

## European design & Flat panel



Thin Panel

Big Louver

Unique Grille Design

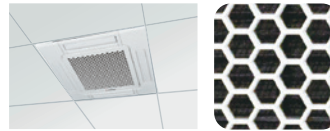
## Compact Design

□700mm → □620mm

A weight of only 14kg.

Height of thin panel and main body is only 248 mm allowing it to be a very easy installation.

## Integrated ceiling system design

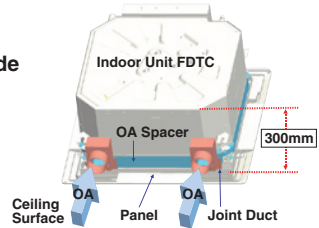


A grille designed with a unique structure and a clean white panel harmonize with interior. This design was invented by zweigrad GmbH & Co. KG in Germany.

## Taking OA (Outside Air) into inside

Fresh air can be taken in without option parts. When it is insufficient, existing option parts also can be used.

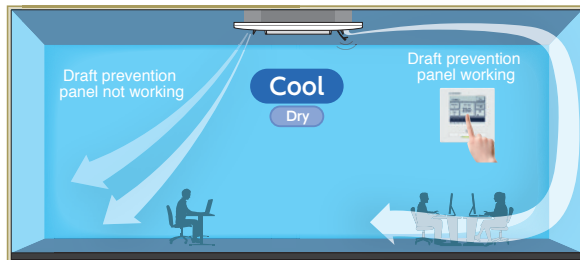
- OA Spacer TC-OAS-E2(option)
- Joint Duct TC-OAD-E(option)



## Draft Prevention Panel

(Option)

Draft Prevention Panel 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 Draft Prevention Panel panels by using the remote controller only (RC-EX3A, RCN-TC-5AW-E2).

## Individual flap control system

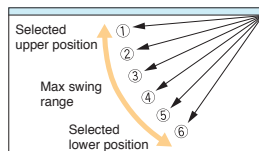
According to room temperature conditions, four directions of air flow can be controlled individually by following Flap control system.



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.



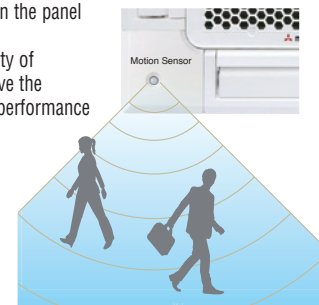
## Motion Sensor

(Option)

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



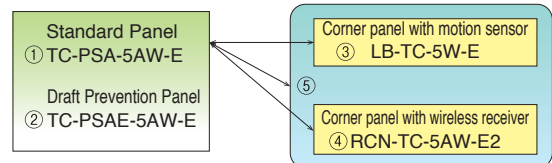
**LB-TC-5W-E**



## Panel select pattern

(Option)

8 patterns of panel are available. Please refer to P79.



## 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.

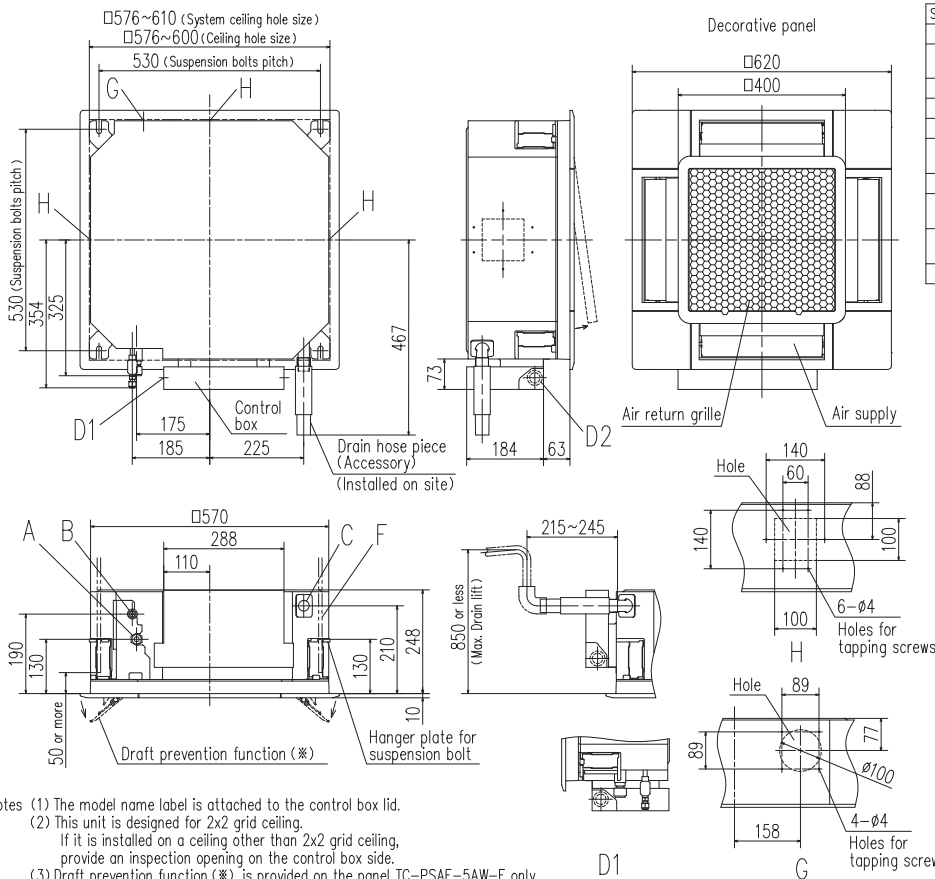
# Specifications

Item	Model	FDTC15KXZE1	FDTC22KXZE1	FDTC28KXZE1	FDTC36KXZE1	FDTC45KXZE1	FDTC56KXZE1	
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	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	P-Hi:33 Hi:30 Me:28 Lo:25		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
	Heating	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	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
	Heating	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						
Air filter, Q'ty		Pocket Plastic net x1 (Washable)						
Remote control(option)		wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-TC-5AW-E2						
Installation data Refrigerant piping size		Liquid line:ø6.35(1/4") Gas line:ø9.52(3/8")			Liquid line:ø6.35(1/4") Gas line:ø12.7(1/2")			

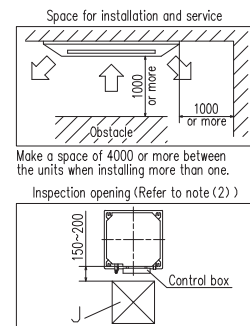
1. The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.  
 2. Sound pressure level indicates the value in an anechoic chamber. During operation these values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

# Dimensions

All measurements in mm.



Symbol	Content		
	Model	15,22,28	36,45,56
A	Gas piping	ø9.52 (3/8") (Flare)	ø12.7 (1/2") (Flare)
B	Liquid piping	ø6.35 (1/4") (Flare)	
C	Drain piping	VP25 (O.D.32)	
D1	Power supply 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	ø125 (Knock out)	
J	Inspection opening	450X450	



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

Inspection opening (Refer to note (2) )

- 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 only.