

Ceiling Cassette -4way-FDT

Model No.

FDT28KXZE1-W	FDT28KXZE1
FDT36KXZE1-W	FDT36KXZE1
FDT45KXZE1-W	FDT45KXZE1
FDT56KXZE1-W	FDT56KXZE1
FDT71KXZE1-W	FDT71KXZE1
FDT90KXZE1-W	FDT90KXZE1
FDT112KXZE1-W	FDT112KXZE1
FDT140KXZE1-W	FDT140KXZE1
FDT160KXZE1-W	FDT160KXZE1



Remote control (option)

Wired



Wireless



RCN-T-5BW-E2(White)
RCN-T-5BB-E2(Black)

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

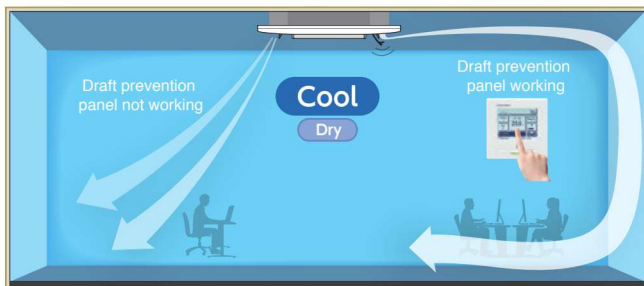
Draft Prevention Panel (Option)

(Option)

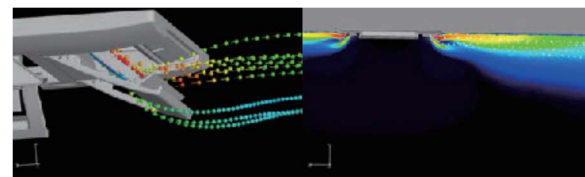
Draft Prevention Panel

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

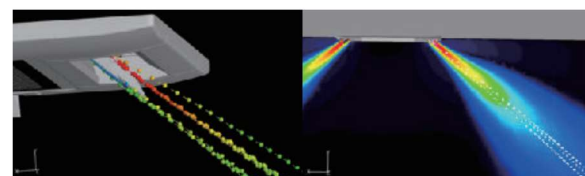
Advanced airflow control technology cultivated through aircraft development.



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



Draft Prevention Panel working

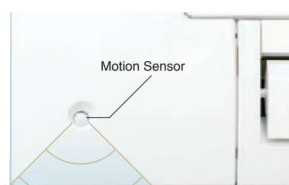


Draft Prevention Panel placed at off position

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-T-5BW-E(White)
LB-T-5BB-E(Black)

Improve the aerodynamic performance of the unit

New designed component has better aerodynamic performance and achieve lower noise.

New design turbo fan



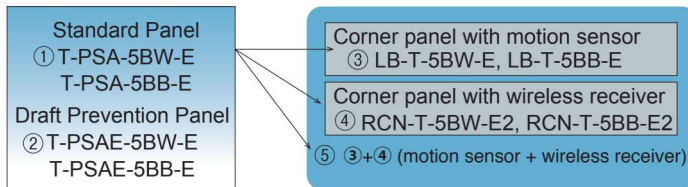
Fan guard (standard equipment)



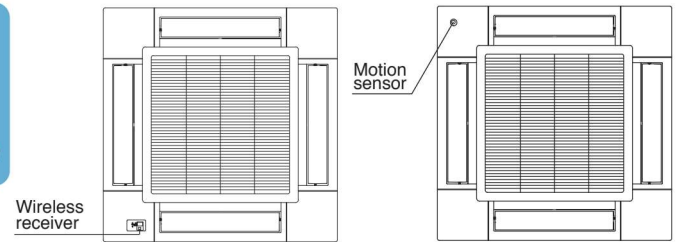
Panel select pattern

(Option)

8 patterns of panel are available.



Installation position of Wireless kit and Motion sensor kit

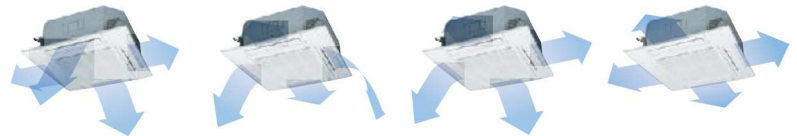


*Wireless receiver and Motion sensor can be installed to the position as shown

- 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

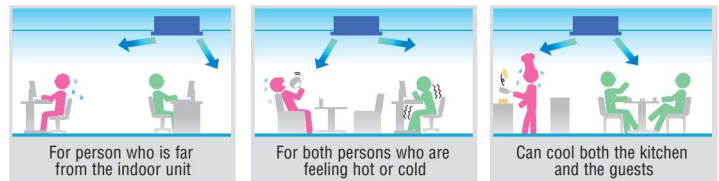
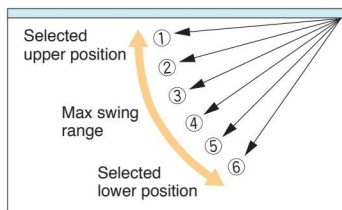
Individual flap control system

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



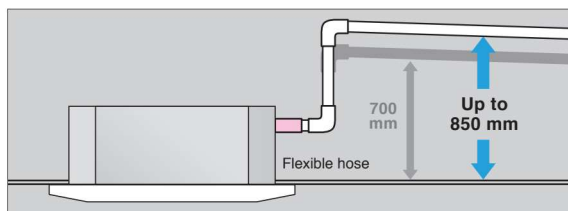
Flap can swing within an upper and lower flap range position that can be selected with a wired remote control.

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



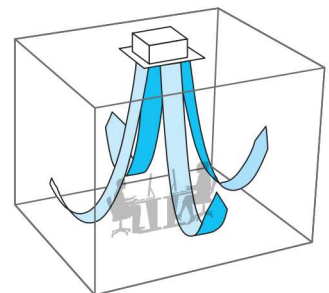
850mm Drain Pump

Drain can be discharged upwards up to 850mm from the ceiling surface, allowing a piping layout with a high degree of freedom. Thanks to the 185mm flexible hose, equipment supports easy workability.



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.

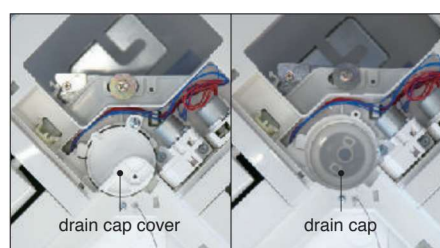


Easy check of drain pan

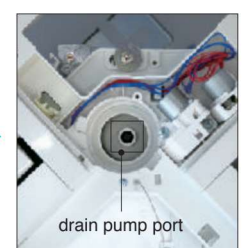
Easy inspection of the condition of the drain pan is possible by removing only the corner lid.



Remove corner lid.



Remove drain cap cover and check the condition. It is necessary to clean-up, firstly remove the rubber stopper to drain water out and secondly remove the drain cap.



Clean up the area around the drain pump port.

Specifications



Item	Model	FDT28KXZE1-W	FDT36KXZE1-W	FDT45KXZE1-W	FDT56KXZE1-W	FDT71KXZE1-W
Nominal cooling capacity	kW	2.8	3.6	4.5	5.6	7.1
Nominal heating capacity	kW	3.2	4.0	5.0	6.3	8.0
Power source		1 Phase 220-240V, 50Hz				
Power consumption	Cooling	kW	0.04-0.04		0.07-0.07	0.08-0.08
	Heating		0.04-0.04		0.07-0.07	0.08-0.08
Sound power level		dB(A)	55		60	62
Sound pressure level	Cooling	dB(A)	P-Hi:40 Hi:32 Me:30 Lo:28	P-Hi:40 Hi:34 Me:30 Lo:28	P-Hi:40 Hi:34 Me:31 Lo:28	P-Hi:44 Hi:34 Me:31 Lo:28
	Heating		P-Hi:40 Hi:31 Me:29 Lo:26	P-Hi:40 Hi:33 Me:29 Lo:26	P-Hi:40 Hi:33 Me:30 Lo:26	P-Hi:44 Hi:34 Me:30 Lo:27
Exterior dimensions (H x W x D)		mm	Unit:236x840x840 Panel:35x950x950			
Net weight		kg	Unit:20 Standard Panel:5		Unit:21.5 Standard Panel:5	
Air flow	Cooling	m³/min	P-Hi:20 Hi:14 Me:12 Lo:10	P-Hi:20 Hi:15 Me:12 Lo:10	P-Hi:20 Hi:15 Me:13 Lo:10	P-Hi:26 Hi:16 Me:13 Lo:11
	Heating		P-Hi:20 Hi:14 Me:12 Lo:11	P-Hi:20 Hi:15 Me:12 Lo:11	P-Hi:20 Hi:15 Me:13 Lo:11	P-Hi:26 Hi:16 Me:13 Lo:11
Outside air intake			Possible			
Panel			T-PSA-5BW-E, T-PSAE-5BW-E (White) / T-PSA-5BB-E, T-PSAE-5BB-E (Black)			
Air filter, Q'ty			Pocket Plastic net x1 (Washable)			
Remote control (option)			wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-T-5BW-E2, RCN-T-5BB-E2			
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")			Liquid line:ø9.52(3/8") Gas line:ø15.88(5/8")

Item		Model	FDT90KXZE1-W	FDT112KXZE1-W	FDT140KXZE1-W	FDT160KXZE1-W
Nominal cooling capacity		kW	9.0	11.2	14.0	16.0
Nominal heating capacity		kW	10.0	12.5	16.0	18.0
Power source			1 Phase 220-240V, 50Hz			
Power consumption	Cooling	kW	0.13-0.13	0.14-0.14		
	Heating		0.13-0.13	0.14-0.14		
Sound power level		dB(A)	65		66	
Sound pressure level	Cooling	dB(A)	P-Hi:49 Hi:38 Me:36 Lo:31	P-Hi:49 Hi:39 Me:37 Lo:31	P-Hi:49 Hi:42 Me:39 Lo:32	P-Hi:49 Hi:42 Me:39 Lo:32
	Heating		P-Hi:49 Hi:38 Me:36 Lo:30	P-Hi:49 Hi:39 Me:37 Lo:30	P-Hi:49 Hi:42 Me:39 Lo:31	P-Hi:49 Hi:42 Me:39 Lo:31
Exterior dimensions (H x W x D)		mm	Unit:298x840x840 Panel:35x950x950			
Net weight		kg	Unit:25 Standard Panel:5			
Air flow	Cooling	m³/min	P-Hi:37 Hi:25 Me:22 Lo:15	P-Hi:38 Hi:26 Me:23 Lo:17	P-Hi:38 Hi:28 Me:25 Lo:18	P-Hi:38 Hi:29 Me:26 Lo:19
	Heating					
Outside air intake			Possible			
Panel			T-PSA-5BW-E, T-PSAE-5BW-E (White) / T-PSA-5BB-E, T-PSAE-5BB-E (Black)			
Air filter, Q'ty			Pocket Plastic net x1 (Washable)			
Remote control (option)			wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-T-5BW-E2, RCN-T-5BB-E2			
Installation data Refrigerant piping size		mm(in)	Liquid line:ø9.52(3/8") Gas line:ø15.88(5/8")			

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



Item	Model	FDT28KXZE1	FDT36KXZE1	FDT45KXZE1	FDT56KXZE1	FDT71KXZE1
Nominal cooling capacity	kW	2.8	3.6	4.5	5.6	7.1
Nominal heating capacity	kW	3.2	4.0	5.0	6.3	8.0
Power source		1 Phase 220-240V, 50Hz				
Power consumption	Cooling	kW	0.04-0.04		0.07-0.07	0.08-0.08
	Heating		0.04-0.04		0.07-0.07	0.08-0.08
Sound power level		dB(A)	55		60	62
Sound pressure level	Cooling	dB(A)	P-Hi:38 Hi:33 Me:30 Lo:28		P-Hi:44 Hi:33 Me:31 Lo:29	P-Hi:47 Hi:35 Me:32 Lo:28
	Heating					
Exterior dimensions (H x W x D)		mm	Unit:236x840x840 Panel:35x950x950			
Net weight		kg	Unit:20 Standard Panel:5		Unit:21.5 Standard Panel:5	
Air flow	Cooling	m³/min	P-Hi:20 Hi:14 Me:12 Lo:10	P-Hi:20 Hi:14 Me:12 Lo:10	P-Hi:20 Hi:15 Me:13 Lo:10	P-Hi:26 Hi:16 Me:13 Lo:11
	Heating					P-Hi:28 Hi:17 Me:14 Lo:12
Outside air intake			Possible			
Panel			T-PSA-5BW-E, T-PSAE-5BW-E (White) / T-PSA-5BB-E, T-PSAE-5BB-E (Black)			
Air filter, Q'ty			Pocket Plastic net x1 (Washable)			
Remote control (option)			wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-T-5BW-E2, RCN-T-5BB-E2			
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")			Liquid line:ø9.52(3/8") Gas line:ø15.88(5/8")

Item		Model	FDT90KXZE1	FDT112KXZE1	FDT140KXZE1	FDT160KXZE1
Nominal cooling capacity		kW	9.0	11.2	14.0	16.0
Nominal heating capacity		kW	10.0	12.5	16.0	18.0
Power source			1 Phase 220-240V, 50Hz			
Power consumption	Cooling	kW	0.13-0.13	0.14-0.14		
	Heating		0.13-0.13	0.14-0.14		
Sound power level		dB(A)	65	66		
Sound pressure level	Cooling Heating	dB(A)	P-Hi:49 Hi:38 Me:36 Lo:31	P-Hi:49 Hi:39 Me:37 Lo:31	P-Hi:49 Hi:42 Me:39 Lo:32	P-Hi:49 Hi:42 Me:39 Lo:33
Exterior dimensions (H x W x D)		mm	Unit:298x840x840 Panel:35x950x950			
Net weight		kg	Unit:25 Standard Panel:5			
Air flow	Cooling Heating	m³/min	P-Hi:37 Hi:25 Me:22 Lo:15	P-Hi:38 Hi:26 Me:23 Lo:17	P-Hi:38 Hi:28 Me:25 Lo:18	P-Hi:38 Hi:29 Me:26 Lo:19
Outside air intake			Possible			
Panel			T-PSA-5BW-E, T-PSAE-5BW-E (White) / T-PSA-5BB-E, T-PSAE-5BB-E (Black)			
Air filter, Q'ty			Pocket Plastic net x1 (Washable)			
Remote control (option)			wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-T-5BW-E2, RCN-T-5BB-E2			
Installation data Refrigerant piping size		mm(in)	Liquid line:ø9.52(3/8") Gas line:ø15.88(5/8")			

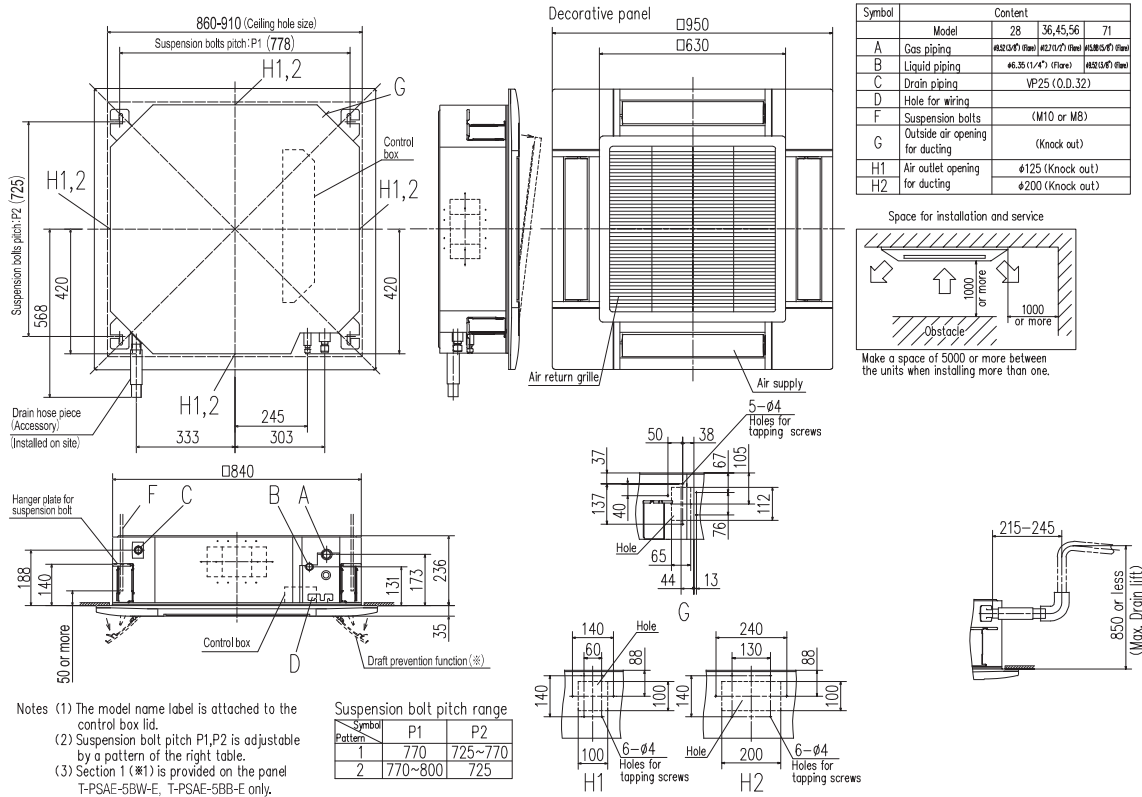
1. The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound pressure level indicates the value in an anechoic chamber. During operation these values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

Dimensions

All measurements in mm.

FDT28KXZE1-W, 36KXZE1-W, 45KXZE1-W, 56KXZE1-W, 71KXZE1-W

FDT28KXZE1, 36KXZE1, 45KXZE1, 56KXZE1, 71KXZE1



FDT90KXZE1-W, 112KXZE1-W, 140KXZE1-W, 160KXZE1-W

FDT90KXZE1, 112KXZE1, 140KXZE1, 160KXZE1

