



## Ceiling Cassette -2way- FDTW

### Model No.

FDTW28KXE6F  
FDTW45KXE6F  
FDTW56KXE6F  
FDTW71KXE6F

FDTW90KXE6F  
FDTW112KXE6F  
FDTW140KXE6F



FDTW28-71

FDTW90-140

### Remote control (option)

#### Wired



RC-EX3A RC-E5 RCH-E3

#### Wireless



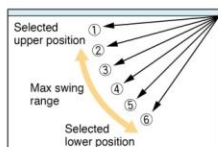
RCN-TW-E2

### Individual flap control system

According to room temperature conditions, four directions air flow can be controlled individually by flap control system. Due to optimization of outlet design of air flow our new advanced technology, sufficient air flow is secured and long reach of air flow is achieved.



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.

### Installation workability

#### Drainage spout

Drainage flow test can be done easily by use of this drainage spout.



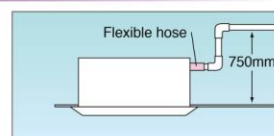
#### Transparent access hole to drain pan

Dirt condition of the bottom of a drain pan can be checked through this transparent access hole without removing drain pan.



### 750mm Drain Pump

Drain can be discharged upward by 750mm 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

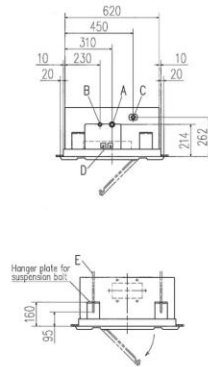
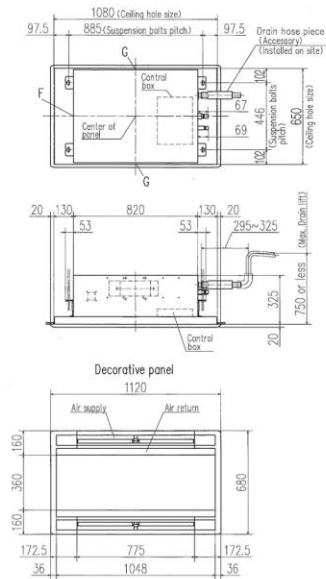
| Item                                         | Model   | FDTW28KXE6F                                        | FDTW45KXE6F                                     | FDTW56KXE6F | FDTW71KXE6F                                      | FDTW90KXE6F                         | FDTW112KXE6F     | FDTW140KXE6F |
|----------------------------------------------|---------|----------------------------------------------------|-------------------------------------------------|-------------|--------------------------------------------------|-------------------------------------|------------------|--------------|
| Nominal cooling capacity                     | kW      | 2.8                                                | 4.5                                             | 5.6         | 7.1                                              | 9.0                                 | 11.2             | 14.0         |
| Nominal heating capacity                     | kW      | 3.2                                                | 5.0                                             | 6.3         | 8.0                                              | 10.0                                | 12.5             | 16.0         |
| Power source                                 |         | 1 Phase 220-240V, 50Hz                             |                                                 |             |                                                  |                                     |                  |              |
| Power consumption                            | Cooling | 0.09-0.09                                          | 0.10-0.10                                       |             | 0.14-0.14                                        |                                     | 0.19-0.19        |              |
|                                              | Heating | 0.09-0.09                                          | 0.10-0.10                                       |             | 0.14-0.14                                        |                                     | 0.19-0.19        |              |
| Sound power level                            | dB(A)   | 58                                                 |                                                 |             |                                                  | 65                                  | —                |              |
| Sound pressure level                         | dB(A)   | P-Hi:42 Hi:38 Me:34 Lo:31                          |                                                 |             |                                                  | P-Hi:48 Hi:45 Me:41 Lo:37           |                  |              |
| Exterior dimensions<br>H x W x D             | mm      | Unit:325x820x620 Panel:20x1120x680                 |                                                 |             |                                                  | Unit:325x1535x620 Panel:20x1835x680 |                  |              |
| Net weight                                   | kg      | Unit:20 Panel:8.5                                  | Unit:21 Panel:8.5                               |             | Unit:23 Panel:8.5                                |                                     | Unit:35 Panel:13 |              |
| Air flow                                     | m³/min  | P-Hi:14.5 Hi:12 Me:10 Lo:9                         |                                                 |             |                                                  | P-Hi:31 Hi:27 Me:23 Lo:20           |                  |              |
| Outside air intake                           |         | Possible                                           |                                                 |             |                                                  |                                     |                  |              |
| Panel                                        |         | TW-PSA-26W-E                                       |                                                 |             |                                                  | TW-PSA-46W-E                        |                  |              |
| Air filter, Q'ty                             |         | Pocket Plastic net x2 (Washable)                   |                                                 |             |                                                  | Pocket Plastic net x3 (Washable)    |                  |              |
| Remote control(option)                       |         | wired:RC-EX3A, RC-E5, RCH-E3    wireless:RCN-TW-E2 |                                                 |             |                                                  |                                     |                  |              |
| Installation data<br>Refrigerant piping size | mm(in)  | Liquid line:ø6.35(1/4")<br>Gas line:ø9.52(3/8")    | Liquid line:ø6.35(1/4")<br>Gas line:ø12.7(1/2") |             | Liquid line:ø9.52(3/8")<br>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

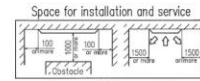
All measurements in mm.

FDTW28KXE6F, 45KXE6F, 56KXE6F, 71KXE6F



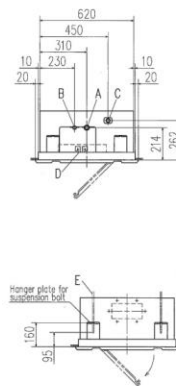
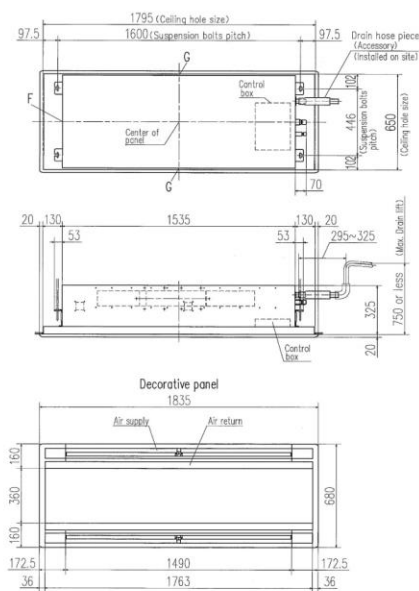
| Symbol | Model                          | 28                   | 45, 56               | 71                   |
|--------|--------------------------------|----------------------|----------------------|----------------------|
| A      | Gas piping                     | ø32 (1/4") (flare)   | ø32 (1/4") (flare)   | ø32 (1/4") (flare)   |
| B      | Liquid piping                  | ø6.35 (1/4") (flare) | ø6.35 (1/4") (flare) | ø6.35 (1/4") (flare) |
| C      | Drain piping                   | VP25 (I.D. 32)       | VP25 (I.D. 32)       | VP25 (I.D. 32)       |
| D      | Hole for wiring                | (M10)                | (M10)                | (M10)                |
| E      | Suspension bolts               | (M10)                | (M10)                | (M10)                |
| F      | Outside or opening for ducting | (Knock out)          | (Knock out)          | (Knock out)          |
| G      | Air outlet opening for ducting | (Knock out)          | (Knock out)          | (Knock out)          |

Notes (1) The model name label is attached on the lid of the control box.



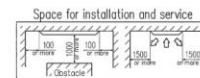
Make a space of 4000 or more between the units when installing more than one.

FDTW90KXE6F, 112KXE6F, 140KXE6F



| Symbol | Model                          | 90                    | 112                   | 140                   |
|--------|--------------------------------|-----------------------|-----------------------|-----------------------|
| A      | Gas piping                     | ø15.88 (5/8") (flare) | ø15.88 (5/8") (flare) | ø15.88 (5/8") (flare) |
| B      | Liquid piping                  | ø9.52 (3/8") (flare)  | ø9.52 (3/8") (flare)  | ø9.52 (3/8") (flare)  |
| C      | Drain piping                   | VP25 (I.D. 32)        | VP25 (I.D. 32)        | VP25 (I.D. 32)        |
| D      | Hole for wiring                | (M10)                 | (M10)                 | (M10)                 |
| E      | Suspension bolts               | (M10)                 | (M10)                 | (M10)                 |
| F      | Outside or opening for ducting | (Knock out)           | (Knock out)           | (Knock out)           |
| G      | Air outlet opening for ducting | (Knock out)           | (Knock out)           | (Knock out)           |

Notes (1) The model name label is attached on the lid of the control box.



Make a space of 5000 or more between the units when installing more than one.