



# SINGLE-SPLIT 4WAY CEILING CASSETTE TYPE

## FDTC-VH



FDTC25VH1, FDTC35VH1,  
FDTC40VH, FDTC50VH, FDTC60VH



### European Design & Flat Panel

European grill design invented by Zweigard GmbH & Co. KG in Germany, that blends well with the room.



Honeycomb type



Grid type

Wired remote control (optional) Wireless remote control (optional) Motion sensor (optional)



RC-EX3A



RC-E5



RCH-E3



RCN-TC-5AW-E3



LB-TC-5W-E

### KEY FEATURES

- Height of the thin panel and the main body is only 248mm allowing a very easy installation. Integrated ceiling system design (600×600)
- Low Global Warming Potential (GWP) and high energy efficiency by new refrigerant R32.
- Draft Prevention Panel (optional) prevents cold/hot draft from being blown directly on the user. Draft Prevention Panel could be installed for each air outlet.
- Motion sensor (optional) is an energy saving operation function that detects human movement and saves energy.
- Noise has been reduced by adopting a new turbo fan and improving the heat exchanger.



SRC25ZS-W2, SRC35ZS-W2



SRC40ZSX-W1, SRC50ZSX-W2,  
SRC60ZSX-W1

### SPECIFICATIONS

| Indoor unit   |         |                         |                        | FDTC25VH1  | FDTC35VH1          | FDTC40VH                      | FDTC50VH                | FDTC60VH          |
|---|---------|-------------------------|------------------------|--|--------------------|-------------------------------|-------------------------|-------------------|
| Outdoor unit  |         |                         |                        | SRC25ZS-W2   | SRC35ZS-W2         | SRC40ZSX-W1                   | SRC50ZSX-W2             | SRC60ZSX-W1       |
| Power source  |         |                         |                        | 1 Phase, 220 - 240V, 50Hz  |                    |                               |                         |                   |
| Nominal cooling capacity (Min~Max)                    |         |                         | kW                     | 2.5 ( 0.9~ 3.2 )   | 3.5 ( 0.9 ~ 4.3 )  | 4.0 ( 1.1 ~ 4.7 )             | 5.0 ( 1.1 ~ 5.6 )       | 5.6 ( 1.1 ~ 6.3 ) |
| Nominal heating capacity (Min~Max)                    |         |                         | kW                     | 2.9 ( 0.9 ~ 4.0 )  | 4.25 ( 0.9 ~ 4.6 ) | 4.5 ( 0.6 ~ 5.4 )             | 5.4 ( 0.6 ~ 6.3 )       | 6.7 ( 0.6 ~ 6.7 ) |
| Power consumption                                     |         | Cooling/Heating         | kW                     | 0.61 / 0.71  | 0.91 / 1.15        | 0.98 / 1.13                   | 1.40 / 1.53             | 1.73 / 2.14       |
| EER/COP   |         | Cooling/Heating         |                        | 4.10 / 4.08  | 3.85 / 3.70        | 4.08 / 3.98                   | 3.58 / 3.53             | 3.23 / 3.13       |
| Max. running current                                  |         |                         | A                      | 9  | 9                  | 15                            | 15                      | 15                |
| Sound power level                                     | Indoor  | Cooling/Heating         | dB(A)                  | 51 / 52  | 52 / 53            | 59 / 59                       | 59 / 59                 | 60 / 60           |
|   | Outdoor | Cooling/Heating         |                        | 58 / 59  | 62 / 62            | 63 / 62                       | 63 / 62                 | 65 / 65           |
| Sound pressure level                                  | Indoor  | Cooling (P-Hi/Hi/Me/Lo) |                        | 38 / 34 / 30 / 27  | 39 / 36 / 32 / 29  | 44 / 40 / 35 / 27             | 44 / 40 / 35 / 27       | 46 / 42 / 38 / 31 |
|   |         | Heating (P-Hi/Hi/Me/Lo) |                        | 39 / 36 / 32 / 28  | 41 / 38 / 34 / 30  | 44 / 40 / 35 / 27             | 44 / 40 / 35 / 27       | 46 / 42 / 38 / 31 |
| Air flow  | Indoor  | Cooling/Heating         | 47 / 47                | 50 / 50  | 52 / 50            | 52 / 50                       | 53 / 54                 |                   |
|   |         | Cooling (P-Hi/Hi/Me/Lo) | 8.5 / 7.5 / 7.0 / 6.0  | 9.0 / 8.0 / 7.5 / 6.5  | 13 / 11 / 9 / 7    | 13 / 11 / 9 / 7               | 14 / 12 / 10 / 8        |                   |
|   | Outdoor | Heating (P-Hi/Hi/Me/Lo) | 9.5 / 8.5 / 7.5 / 6.5  | 10.0 / 9.0 / 8.0 / 7.0   | 13 / 11 / 9 / 7    | 13 / 11 / 9 / 8               | 14 / 12 / 10 / 8        |                   |
| Exterior dimensions                                   | Indoor  | HeightxWidthxDepth      | mm                     | Unit : 248 x 570 x 570 Panel : 10 x 620 x 620  |                    |                               |                         |                   |
|   | Outdoor |                         |                        | 540 x 780(+62) x 290 640 x 800(+71) x 290  |                    |                               |                         |                   |
| Net weight  | Indoor  |                         | kg                     | 16.0 (Unit : 13.5 Panel : 2.5 )  |                    | 16.5 (Unit : 14 Panel : 2.5 ) |                         |                   |
|   | Outdoor |                         |                        | 31.0   | 34.5               | 45.0                          |                         |                   |
| Refrigerant   |         | Type/GWP                |                        | R32 / 675  |                    |                               |                         |                   |
|   |         | Charge                  | kg/TCO <sub>2</sub> Eq | 0.62 / 0.419   | 0.78 / 0.527       | 1.30 / 0.878                  |                         |                   |
| Refrigerant piping size                               |         | Liquid/Gas              | ø mm                   | 6.35(1/4") / 9.52(3/8")  |                    |                               | 6.35(1/4") / 12.7(1/2") |                   |
| Refrigerant line (one way) length [chargeless length] |         |                         | m                      | Max. 20 [15]   |                    |                               | Max. 30 [15]            |                   |
| Vertical height differences                           |         | Outdoor is higher/lower | m                      | Max. 10 / Max.10   |                    |                               | Max. 20 / Max.20        |                   |
| Outdoor operating temperature range                   | Cooling |                         | °CDB                   | -15~46   |                    |                               |                         |                   |
|   | Heating |                         |                        | -15~24   |                    | -20~24                        |                         |                   |
| Panel   |         |                         |                        | Standard Panel : TC-PSA-5AW-E(Honeycomb), TC-PSAG-5AW-E(Grid)<br>Draft Prevention Panel : TC-PSAE-5AW-E(Honeycomb), TC-PSAGE-5AW-E(Grid) |                    |                               |                         |                   |

\* The data are measured under the following conditions(ISO-T1, H1). 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.

\* Sound level indicates the value in anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

\* 'tonne(s) of CO<sub>2</sub> equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.