



## FDTC35VF

Hyper Inverter Compact Cassette



Fits into standard 600x600 ceiling



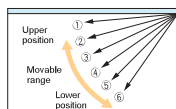
FDTC-VF series can be selected for use as indoor units in the combination with SCM Multi system outdoor unit. (except 40VF)

### Individual flap control system

According to room temperature conditions, four directions of air flow can be controlled by individual flap as preferred. Individual flap control is available even after installation.



Selection of flap position is possible. Individual flaps can be set at different angles



### FUNCTIONS

Energy saving



Air flow



Comfort & Convenience



Others



### SPECIFICATIONS

| Indoor unit                         |                  |                         |               | FDTC25VF                                                       | FDTC35VF           | FDTC40VF                           | FDTC50VF                | FDTC60VF          |
|-------------------------------------|------------------|-------------------------|---------------|----------------------------------------------------------------|--------------------|------------------------------------|-------------------------|-------------------|
| Outdoor unit                        |                  |                         |               | SRC25ZMX-S                                                     | SRC35ZMX-S         | SRC40ZSX-S                         | SRC50ZSX-S              | SRC60ZSX-S        |
| Power source                        |                  |                         |               | 1 Phase, 220 - 240V, 50Hz                                      |                    |                                    |                         |                   |
| Nominal cooling capacity (Min~Max)  |                  |                         | kW            | 2.55 ( 0.9 ~ 3.2 )                                             | 3.6 ( 0.9 ~ 4.1 )  | 4.0 ( 1.1 ~ 4.7 )                  | 5.0 ( 1.1 ~ 5.6 )       | 5.6 ( 1.1 ~ 6.3 ) |
| Nominal heating capacity (Min~Max)  |                  |                         | kW            | 3.45 ( 0.9 ~ 4.7 )                                             | 4.25 ( 0.9 ~ 5.1 ) | 4.5 ( 0.6 ~ 5.4 )                  | 5.4 ( 0.6 ~ 6.3 )       | 6.7 ( 0.6 ~ 6.7 ) |
| Power consumption                   |                  | Cooling/Heating         | kW            | 0.6 / 0.84                                                     | 1.07 / 1.16        | 1.04 / 1.10                        | 1.56 / 1.45             | 1.99 / 2.07       |
| EER/COP                             |                  | Cooling/Heating         |               | 4.25 / 4.11                                                    | 3.36 / 3.66        | 3.85 / 4.09                        | 3.21 / 3.72             | 2.81 / 3.24       |
| Inrush current                      |                  |                         | 220/230/240 V | A                                                              | 4.1 / 4.0 / 3.8    | 5.3 / 5.1 / 4.9                    | 5.0                     | 5.0               |
| Max. running current                |                  |                         |               |                                                                | 8                  | 8                                  | 12                      | 15                |
| Sound power level                   | Indoor           | Cooling/Heating         | dB(A)         | 56 / 56                                                        | 58 / 58            | 60 / 60                            | 60 / 60                 | 60 / 60           |
|                                     | Outdoor          | Cooling/Heating         |               | 56 / 56                                                        | 58 / 58            | 63 / 63                            | 63 / 63                 | 65 / 65           |
| Sound pressure level                | Indoor           | Cooling (Hi/Me/Lo)      |               | 36 / 32 / 29                                                   | 40 / 36 / 30       | 42 / 36 / 30                       | 42 / 36 / 30            | 46 / 39 / 30      |
|                                     |                  | Heating (Hi/Me/Lo)      |               | 38 / 33 / 29.5                                                 | 42 / 35 / 32       | 42 / 36 / 32                       | 42 / 36 / 32            | 46 / 39 / 32      |
| Air flow                            | Outdoor          | Cooling/Heating         | m³/min        | 47 / 47                                                        | 50 / 50            | 49 / 49                            | 50 / 49                 | 52 / 52           |
|                                     | Indoor           | Cooling (Hi/Me/Lo)      |               | 9 / 8 / 6.5                                                    | 9.5 / 9 / 7        | 11.5 / 9 / 7                       | 11.5 / 9 / 7            | 13.5 / 10 / 7     |
|                                     |                  | Heating (Hi/Me/Lo)      |               | 9.5 / 8.5 / 7                                                  | 10 / 9 / 8         | 11.5 / 9 / 8                       | 11.5 / 9 / 8            | 13.5 / 10 / 8     |
|                                     | Outdoor          | Cooling/Heating         |               | 29.5 / 27.0                                                    | 32.5 / 29.5        | 36 / 33                            | 40 / 33                 | 41.5 / 39         |
| Exterior dimensions                 | Indoor           | HeightxWidthxDepth      | mm            | Unit : 248 x 570 x 570 Panel : 35 x 700 x 700                  |                    |                                    |                         |                   |
|                                     | Outdoor          |                         |               | 595 x 780(+62) x 290                      640 x 800(+71) x 290 |                    |                                    |                         |                   |
| Net weight                          | Indoor / Outdoor |                         | kg            | 18.5 (Unit : 15 Panel : 3.5 ) / 35                             |                    | 18.5 (Unit : 15 Panel : 3.5 ) / 45 |                         |                   |
| Refrigerant                         |                  | Type/GWP                |               | R410A / 2088                                                   |                    |                                    |                         |                   |
|                                     |                  | Charge                  | kg/TCO:Eq     | 1.2 / 2.506                                                    |                    | 1.5 / 3.132                        |                         |                   |
| 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   |                  |                         | m             | Max. 15                                                        |                    |                                    | Max. 30                 |                   |
| Vertical height differences         |                  | Outdoor is higher/lower | m             | Max. 10 / Max.10                                               |                    |                                    | Max. 20 / Max.20        |                   |
| Outdoor operating temperature range |                  | Cooling                 | °C            | -15~46                                                         |                    |                                    |                         |                   |
|                                     |                  | Heating                 |               | -15~24                                                         |                    |                                    | -20~24                  |                   |
| Panel                               |                  |                         |               | TC-PSA-25W-E                                                   |                    |                                    |                         |                   |

Wired remote control (option)

NEW



RC-EX3



RC-E5



RCH-E3

Wireless remote control (option)

NEW



RCN-TC-24W-E2



SRC25ZMX-S, SRC35ZMX-S



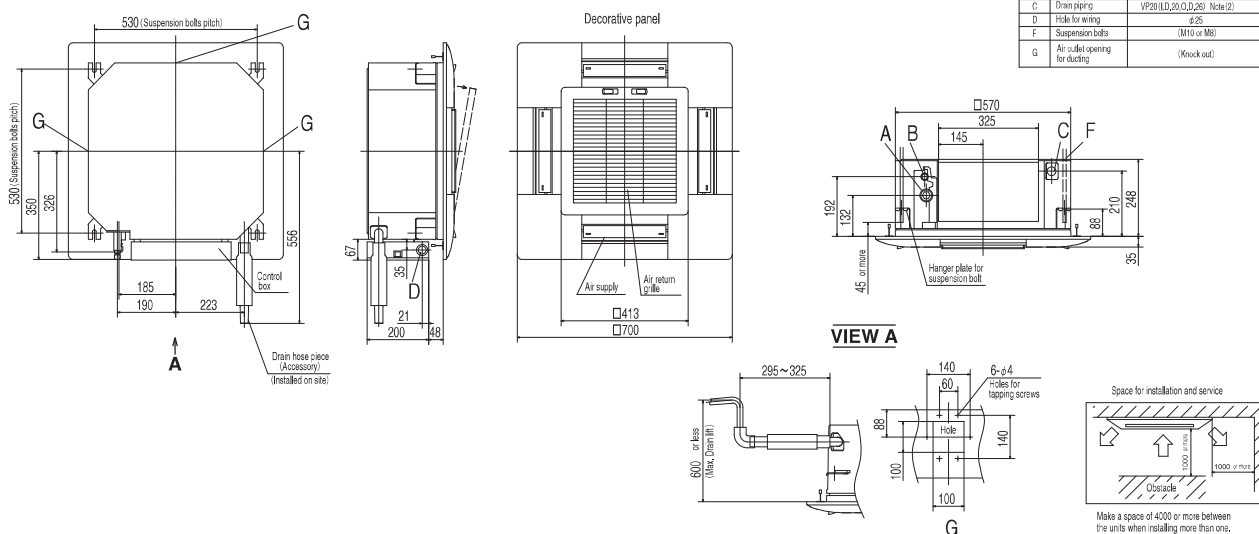
SRC40ZSX-S, SRC50ZSX-S, SRC60ZSX-S



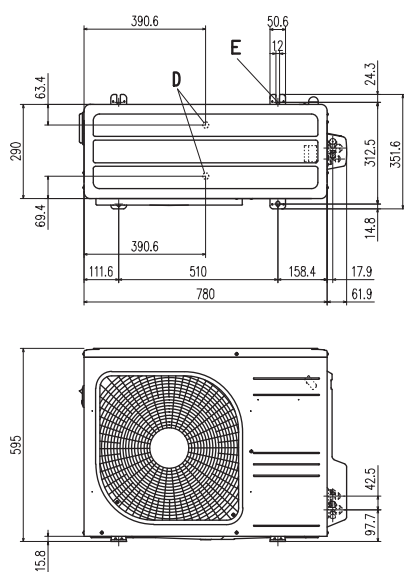
# FDTC35VF

## Hyper Inverter Compact Cassette

## FDTC35VF Indoor Unit



## SRC35ZMX-S Outdoor Unit



| Symbol | Content                                                                                                    |
|--------|------------------------------------------------------------------------------------------------------------|
| A      | Service valve connection (gas side)<br>ZMX: $\phi 9.52(3/8")$ (flare)<br>ZS ZMP: $\phi 12.7(1/2")$ (flare) |
| B      | Service valve connection (liquid side)<br>$\phi 6.35(1/4")$ (Flare)                                        |
| C      | Pipe/cable draw-out hole                                                                                   |
| D      | Drain discharge hole<br>$\phi 20 \times 2$ places                                                          |
| E      | Anchor bolt hole<br>M10 $\times 4$ places                                                                  |

| Examples of installation<br>Dimensions | I    | II   | III  | IV   |
|----------------------------------------|------|------|------|------|
| L1                                     | Open | 280  | 280  | 180  |
| L2                                     | 100  | 75   | Open | Open |
| L3                                     | 100  | 80   | 80   | 80   |
| L4                                     | 250  | Open | 250  | Open |

