



INVERTER HEAT PUMP MODEL

FDTC-VF

4way Ceiling Cassette type

Fits into standard
600x600 ceiling

FDTC25VF, FDTC35VF,
FDTC40VF, FDTC50VF,
FDTC60VF



Individual flap control system

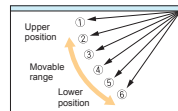
According to room temperature conditions, four directions of air flow can be controlled by individual flap as preferred. Individual flap control is available even after installation.



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

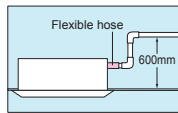
Flap control system

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



600mm Drain Pump is mounted

Drain can be discharged upward by 600mm 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.



Wired remote control (option)



Wireless remote control (option)



SRC25ZMX-S, SRC35ZMX-S



SRC40ZSX-S, SRC50ZSX-S, SRC60ZSX-S



FUNCTIONS

Energy saving

Air flow

Comfort & Convenience

Others



* When using Wireless remote control

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 | |
| Max. running current | | | A | 8 | 8 | 12 | 15 | 15 | |
| Sound power level | Indoor | Cooling/Heating | | 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) | dB(A) | 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 | |
| | Outdoor | Cooling/Heating | | 47 / 47 | 50 / 50 | 49 / 49 | 50 / 49 | 52 / 52 | |
| | | Cooling/Heating | | 9 / 8 / 6.5 | 9.5 / 9 / 7 | 11.5 / 9 / 7 | 11.5 / 9 / 7 | 13.5 / 10 / 7 | |
| Air flow | Indoor | Cooling (Hi/Me/Lo) | m³/min | 9.5 / 8.5 / 7 | 10 / 9 / 8 | 11.5 / 9 / 8 | 11.5 / 9 / 8 | 13.5 / 10 / 8 | |
| | | Heating (Hi/Me/Lo) | | 29.5 / 27.0 | 32.5 / 29.5 | 36 / 33 | 40 / 33 | 41.5 / 39 | |
| | Outdoor | Cooling/Heating | | Unit : 248 x 570 x 570 Panel : 35 x 700 x 700 | | | | | |
| Exterior dimensions | Indoor | HeightxWidthxDepth | mm | 595 x 780(+62) x 290 | | | | 640 x 800(+71) x 290 | |
| | Outdoor | | | 18.5 (Unit : 15 Panel : 3.5) / 35 | | | | 18.5 (Unit : 15 Panel : 3.5) / 45 | |
| Net weight | | Indoor / Outdoor | kg | | | | | | |
| Refrigerant | | Type/GWP | | R410A / 2088 | | | | | |
| | | Charge | kg/TCO ₂ 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 | -15~24 | | -15~46 | | -20~24 | |
| | | Heating | | | | | | | |
| Panel | | | | TC-PSA-25W-E | | | | | |

* 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.
 • Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
 • Powerful-Hi can be selected. Sound level dB(A):25VF(Cooling:38 Heating:39), 35VF(Cooling:41 Heating:43), 40/50/60VF(Cooling:47 Heating:47), Airflow m³/min:25VF(Cooling:10 Heating:10.5), 35VF(Cooling:11 Heating:11.5), 40/50/60VF(Cooling:13.5 Heating:13.5)
 • 'tonne(s) of CO₂ 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.