# FDXM-F3

## Compact concealed ceiling unit, with a height of only 200mm

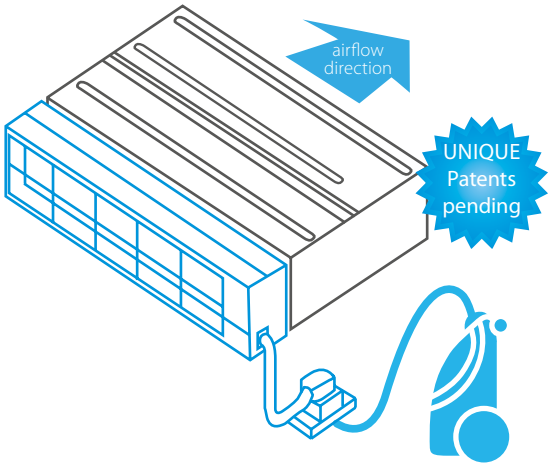
› Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
› Improved in-room air quality, higher efficiency and lower maintenance costs as dust can easily be removed with a vacuum cleaner (self cleaning kit option)
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm
› Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
› Low energy consumption thanks to DC fan motor

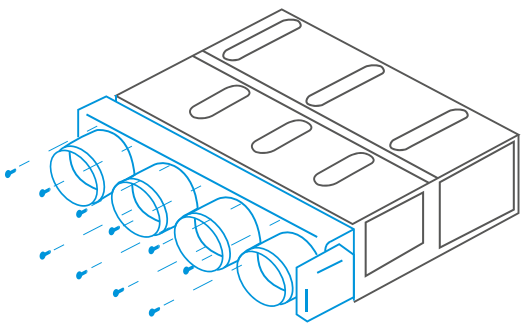
### Auto cleaning filter option

Filter cleaning takes place automatically with the timing set via the remote control. The dust is collected in a dustbox integrated in the unit. Once full dust can be removed easily via a vaccuum cleaner without opening the unit.

### Multi zoning: supply multiple room swith one indoor unit

The zoning kit increases the flexibility of Split, Sky Air and VRV system applications by allowing multiple individually-controlled climate zones to be served by one indoor unit



Plug and play plenum


FTXF-A


FTXJ-MS


FTXZ-N


FTXM-M


FTXA-AW

# Daikin Altherma hybrid heat pump
# + multi

**The Daikin Altherma hybrid heat pump can also be combined with an air-to-air multi system to provide optimal cooling. Easily installed and managed via an app on a smartphone or tablet, the Daikin Altherma hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.**

## Multi features

- ☑ Equipped with Bluevolution technology
- ☑ 3, 4 and 5 ports for multi outdoor units
- ☑ Combinable with different Split & Sky Air indoor units:
  One port can be used for hot water production

Control with Daikin Online Controller app

BLUEVOLUTION

| | Hybrid heat pump | | Wall mounted | | | | | | | | | | | | | | | | | | | Concealed ceiling | | | | | | | | Floor stainding | | | Round flow cassette | | | Fully flat cassette | | | | Ceiling suspended | | | Concealed floor standing | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CHYHBH-AV32 | | C/FTXA-AW/S/T | | | | | | | FTXJ-MW/S | | | | CTXM-M | FTXM-M | | | | | | | FDXM-F3 | | | | FBA-A | | | | FVXM-F | | | FCAG-A | | | FFA-A | | | | FHA-A | | | FNA-A | | | |
| Connectable indoor units | 05 | 08 | 15 | 20 | 25 | 35 | 42 | 50 | 20 | 25 | 35 | 50 | 15 | 20 | 25 | 35 | 42 | 50 | 60 | 71 | 25 | 35 | 50 | 60 | 25 | 35 | 50 | 60 | 25 | 35 | 50 | 35 | 50 | 60 | 25 | 35 | 50 | 60 | 35 | 50 | 60 | 25 | 35 | 50 | 60 |
| 3MXM52N | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | | ● | ● | ● | | ● | ● | | ● | ● | ● | |
| 3MXM68N | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 4MXM68N | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 4MXM80N | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 5MXM90N | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

BLUEVOLUTION

# Concealed ceiling unit

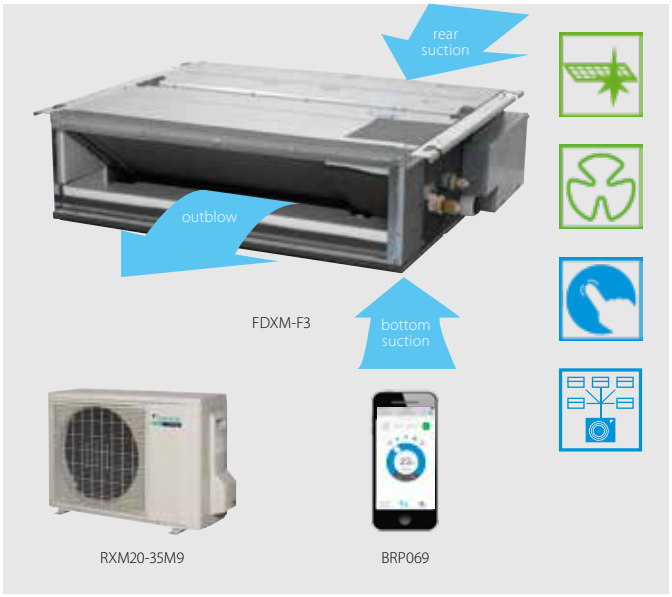
## Compact concealed ceiling unit, with a height of only 200mm

- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Unified indoor unit range for R-32 and R-410A

NEW › Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning

NEW › Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit

- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Low energy consumption thanks to DC fan motor




| Efficiency data | | | | FDXM + RXM | 25F3 + 25M9 | 35F3 + 35M9 | 50F3 + 50M9 | 60F3 + 60M9 |
|---|---|---|---|---|---|---|---|---|
| Cooling capacity | Nom. | | | kW | 2.40 | 3.40 | 5.00 | 6.00 |
| Heating capacity | Nom. | | | kW | 3.20 | 4.00 | 5.80 | 7.00 |
| Power input | Cooling | | Nom. | kW | 0.64 | 1.14 | 1.63 | 2.05 |
| | Heating | | Nom. | kW | 0.80 | 1.15 | 1.87 | 2.18 |
| Seasonal efficiency (according to EN14825) | Cooling | | Energy efficiency class | | A+ | A | A+ | A |
| | | | Pdesign | kW | 2.40 | 3.40 | 5.00 | 6.00 |
| | | | SEER | | 5.68 | 5.26 | 5.77 | 5.56 |
| | | | Annual energy consumption | kWh | 148 | 226 | 303 | 315 |
| | Heating (Average climate) | | Energy efficiency class | | A+ | A | | |
| | | | Pdesign | kW | 2.60 | 2.90 | 4.00 | 4.60 |
| | | | SCOP/A | | 4.24 | 3.88 | 3.93 | 3.80 |
| | | | Annual energy consumption | kWh | 858 | 1,046 | 1,424 | 1,693 |
| Nominal efficiency | EER | | | | 3.77 | 2.98 | 3.06 | 2.93 |
| | COP | | | | 4.00 | 3.48 | 3.10 | 3.21 |
| | Annual energy consumption | | | kWh | 318 | 570 | 816 | 1,024 |
| | Energy labeling Directive | | Cooling/Heating | | A/A | C/B | B/D | C/C |

| Indoor unit | | | | FDXM | 25F3 | 35F3 | 50F3 | 60F3 |
|---|---|---|---|---|---|---|---|---|
| Dimensions | Unit | HeightxWidthxDepth | | mm | 200x750x620 | | 200x1,150x620 | |
| Weight | Unit | | | kg | 21 | | 28 | |
| Air filter | Type | | | | Removable / washable | | | |
| Fan | Air flow rate | Cooling | Low/Medium/High | $m^3$/min | 7.3/8.0/8.7 | | 13.3/14.6/15.8 | 13.5/14.8/16.0 |
| | | Heating | Low/Medium/High | $m^3$/min | 7.3/8.0/8.7 | | 13.3/14.6/15.8 | 13.5/14.8/16.0 |
| | External static pressure | Nom. | | Pa | 30 | | 40 | |
| Sound power level | Cooling | | | dBA | 53 | | 55 | 56 |
| | Heating | | | dBA | 53 | | 55 | 56 |
| Sound pressure level | Cooling | Low/High | | dBA | 27/35 | | 30/38 | |
| | Heating | Low/High | | dBA | 27/35 | | 30/38 | |
| Power supply | Phase/Frequency/Voltage | | | Hz/V | 1~/50/220-240 | | | |

| Outdoor unit | | | | RXM | 25M9 | 35M9 | 50M9 | 60M9 |
|---|---|---|---|---|---|---|---|---|
| Dimensions | Unit | HeightxWidthxDepth | | mm | 550x765x285 | | 735x825x300 | |
| Weight | Unit | | | kg | 32 | | 47 | |
| Sound power level | Cooling | | | dBA | 59 | 61 | 62 | 63 |
| | Heating | | | dBA | 59 | 61 | 62 | 63 |
| Operation range | Cooling | Ambient | Min.~Max. | °CDB | -10~46 | | | |
| | Heating | Ambient | Min.~Max. | °CWB | -15~18 | | | |
| Refrigerant | Type | | | | R-32 | | | |
| | GWP | | | | 675.0 | | | |
| | Charge | | | kg/TCO2Eq | 0.76/0.52 | | 1.40/0.95 | 1.45/0.98 |
| Piping connections | Liquid | OD | | mm | 6,35 | | 6,4 | |
| | Gas | OD | | mm | 9.50 | | 12.7 | |
| | Piping length | OU - IU | Max. | m | 20.0 | | 30 | |
| | Additional refrigerant charge | | | kg/m | 0.02 (for piping length exceeding 10m) | | | |
| | Level difference | IU - OU | Max. | m | 20.0 | | | |
| Power supply | Phase/Frequency/Voltage | | | Hz/V | 1~/50/220-240 | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | A | - | | | |

(1) EER/COP according to Eurovent 2012, for outside EU only.
(2) MFA is used to select the circuit breaker and the ground fault circuit interrupter (eart leakage circuit breaker). For more detailed inofrmation on each combination, please refer to the electrical data drawing.

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- › Unified indoor unit range for R-32 and R-410A
- NEW › Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- NEW › Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- › Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
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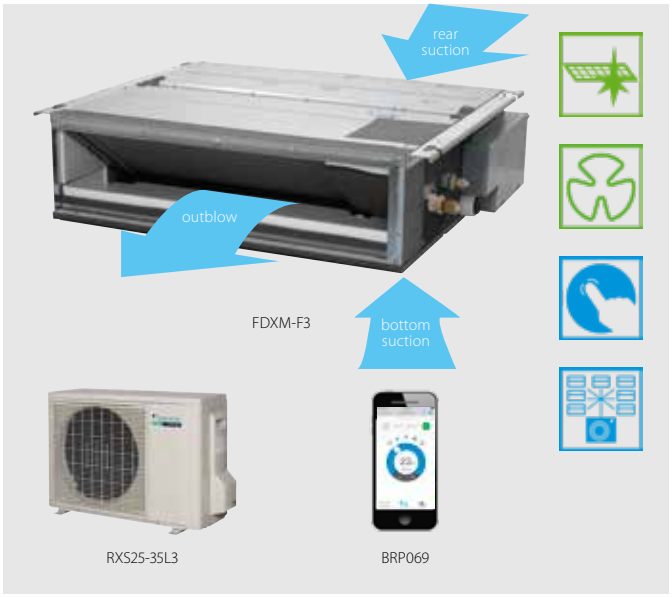


| Efficiency data | | | | FDXM + RXS | 25F3 + 25L3 | 35F3 + 35L3 | 50F3 + 50L | 60F3 + 60L |
|---|---|---|---|---|---|---|---|---|
| Cooling capacity | Nom. | | | kW | 2.40 | 3.40 | 5.00 | 6.00 |
| Heating capacity | Nom. | | | kW | 3.20 | 4.00 | 5.80 | 7.00 |
| Power input | Cooling | | Nom. | kW | 0.64 | 1.15 | 1.65 | 2.06 |
| | Heating | | Nom. | kW | 0.80 | 1.15 | 1.87 | 2.18 |
| Seasonal efficiency (according to EN14825) | Cooling | | Energy efficiency class | | A+ | A | A+ | A |
| | | | Pdesign | kW | 2.40 | 3.40 | 5.00 | 6.00 |
| | | | SEER | | 5.63 | 5.21 | 5.72 | 5.51 |
| | | | Annual energy consumption | kWh | 149 | 228 | 306 | 381 |
| | Heating (Average climate) | | Energy efficiency class | | A+ | A | | |
| | | | Pdesign | kW | 2.60 | 2.90 | 4.00 | 4.60 |
| | | | SCOP/A | | 4.24 | 3.88 | 3.93 | 3.80 |
| | | | Annual energy consumption | kWh | 858 | 1,047 | 1,425 | 1,693 |
| Nominal efficiency | EER | | | | 3.74 | 2.96 | 3.03 | 2.91 |
| | COP | | | | 4.00 | 3.48 | 3.10 | 3.21 |
| | Annual energy consumption | | | kWh | 321 | 574 | 825 | 1,030 |
| | Energy labeling Directive | | Cooling/Heating | | A/A | B/A | B/D | C/C |

| Indoor unit | | | | FDXM | 25F3 | 35F3 | 50F3 | 60F3 |
|---|---|---|---|---|---|---|---|---|
| Dimensions | Unit | HeightxWidthxDepth | | mm | 200x750x620 | | 200x1,150x620 | |
| Weight | Unit | | | kg | 21 | | 28 | |
| Air filter | Type | | | | Removable / washable | | | |
| Fan | Air flow rate | Cooling | Low/Medium/High | $m^3$/min | 7.3/8.0 /8.7 | | 13.3/14.6 /15.8 | 13.5/14.8 /16.0 |
| | | Heating | Low/Medium/High | $m^3$/min | 7.3/8.0 /8.7 | | 13.3/14.6 /15.8 | 13.5/14.8 /16.0 |
| | External static pressure | Nom. | | Pa | 30 | | 40 | |
| Sound power level | Cooling | | | dBA | 53 | | 55 | 56 |
| | Heating | | | dBA | 53 | | 55 | 56 |
| Sound pressure level | Cooling | Low/High | | dBA | 27/35 | | 30/38 | |
| | Heating | Low/High | | dBA | 27/35 | | 30/38 | |
| Control systems | Infrared remote control | | | | BRC4C65 | | | |
| | Wired remote control | | | | BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52 | | | |
| Power supply | Phase/Frequency/Voltage | | | Hz/V | 1~/50/220-240 | | | |

| Outdoor unit | | | | RXS | 25L3 | 35L3 | 50L | 60L |
|---|---|---|---|---|---|---|---|---|
| Dimensions | Unit | HeightxWidthxDepth | | mm | 550x765x285 | | 735x825x300 | |
| Weight | Unit | | | kg | 34 | | 47 | 48 |
| Sound power level | Cooling | | | dBA | 59 | 61 | 62 | |
| | Heating | | | dBA | 59 | 61 | 62 | |
| Sound pressure level | Cooling | Low/High | | dBA | -/46 | -/48 | 44/48 | 46/49 |
| | Heating | Low/High | | dBA | -/47 | -/48 | 45/48 | 46/49 |
| Operation range | Cooling | Ambient | Min.~Max. | °CDB | -10~46 | | | |
| | Heating | Ambient | Min.~Max. | °CWB | -15~18 | | | |
| Refrigerant | Type | | | | R-410A | | | |
| | GWP | | | | 2,087.5 | | | |
| | Charge | | | kg/TCO2Eq | 1.0/2.1 | 1.2/2.5 | 1.7/3.5 | 1.5/3.1 |
| Piping connections | Liquid | OD | | mm | 6.35 | | | |
| | Gas | OD | | mm | 9.5 | | 12.7 | |
| | Piping length | OU - IU | Max. | m | 20 | | 30 | |
| | | System | Chargeless | m | 10 | | - | |
| | Additional refrigerant charge | | | kg/m | 0.02 (for piping length exceeding 10m) | | | |
| | Level difference | IU - OU | Max. | m | 15 | | 20.0 | |
| Power supply | Phase/Frequency/Voltage | | | Hz/V | 1~/50/220-240 | | 1~/50/220-230-240 | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | A | - | | | |

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.