

Air Conditioners

# Heating & Cooling

Floor Standing Unit

- » **Ideal for installation beneath a window**
- » **Flexible installation**
- » **As silent as rustling leaves**
- » **Constant comfort throughout the room**



[www.daikin.eu](http://www.daikin.eu)



FVXS-F

**INVERTER**

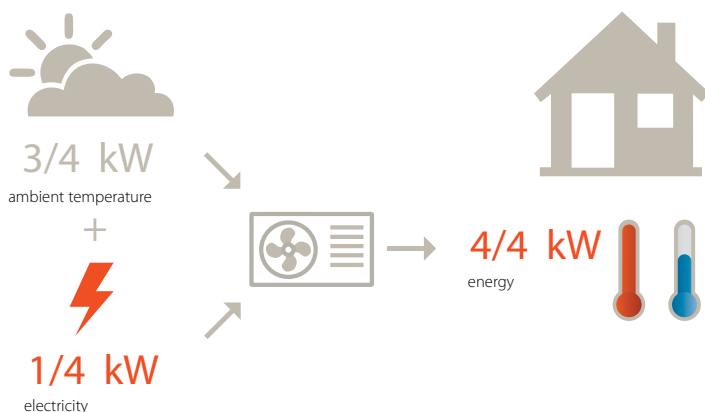


## The ideal temperature and air quality for each season

The Daikin floor standing unit for home use has a contemporary design, extremely quiet in operation, energy-efficient and creates a very comfortable climate in the living room, kitchen or bedroom - day and night, the whole year round.

The indoor unit can be used in pair application, combining one indoor unit to one outdoor unit, or multi application, combining up to nine indoor units to one outdoor unit.

## Combining highest efficiency and year-round comfort with a heat pump system



### Did you know that ...

Air-to-air heat pumps obtain 75% of their output energy from a renewable source: the ambient air, which is both renewable and inexhaustible. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass). A heat pump's efficiency is measured in SCOP (Seasonal Coefficient Of Performance) for heating and SEER (Seasonal Energy Efficiency Ratio) for cooling.

# Europe's energy label: raising the bar on energy efficiency

To realise its challenging 20-20-20 environmental goals (20% reduction in CO2 emissions, 20% share of renewable energy and a 20% reduction in the use of primary energy), Europe is imposing minimum efficiency requirements for energy related projects. These minimum requirements came into effect on 1 January 2013, and were revised. New, higher targets will be set in 2014.

Not only does the Eco-Design Directive systematically raise the minimum requirements with respect to environmental performance, the method used to measure this performance has also been changed to better reflect real-life conditions. The seasonal performance rating provides a much more accurate picture of actual expected energy efficiency over an entire heating or cooling season.

Completing the picture is an energy label for EU which allows consumers to compare and make purchasing decisions based on uniform labelling criteria. The label includes multiple classifications from A+++ to D reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels. It will allow end-users to make even better informed choices, since seasonal efficiency reflects air conditioner or heat pump efficiency over an entire season.



## Comfort for every home and every room, day and night

### ► Ultra-efficient home heating comfort



**Online controller:** (option KKR01A) Control your indoor unit from any location via app or internet.



When selecting the energy saving function **ECONO mode** the power consumption decreases so that other appliances that need large power consumption can be used.



**Night set mode:** saves energy, by preventing overheating or overcooling during night time.

### ► Flexible to install, easy to use

Can be installed hanging low on the wall and standing on the floor or can be built in partly without any loss in capacity.



### ► Unique comfort functions for an ideal indoor climate

- > **Whisper quiet operation:** the sound of the indoor units is that low (down to 23dBA) that it can be compared to rustling leaves.
- > In **night quiet mode**, the sound level of the multi model outdoor unit is automatically reduced by 3dBA (only for cooling only mode).
- > The **vertical auto swing** system provides consistent air and temperature distribution in the room. During heating operation, your feet stay warm and the temperature throughout the room is even.

- > Dust, odours are trapped by the **titanium apatite photocatalytic air purification filter** but also bacteria and viruses are decomposed in order to provide you a cleaner air.
- > The **infrared remote control** is user-friendly and equipped with a weekly timer. With this timer, you can programme a 7-day schedule with 4 different actions per day. Furthermore, the convenient copy function allows you to copy very quickly any day's programme to one or more other days.



Heating operation



Infrared remote control (Standard) ARC452A1

- > When **powerful operation** is enabled, you can rapidly heat up or cool down the room during 20 minutes. After this the unit returns to its original setting.

# Heating & Cooling

| Indoor unit  |                             |                                | FVXS25F             | FVXS35F         | FVXS50F         |                   |
|--|-----------------------------|--------------------------------|---------------------|-----------------|-----------------|-------------------|
| Cooling capacity   | Min./Nom./Max.              | kW                             | 1.3/2.5/3.0         | 1.4/3.5/3.8     | 1.4/5.0/5.6     |                   |
| Heating capacity   | Min./Nom./Max.              | kW                             | 1.3/3.4/4.5         | 1.4/4.5/5.0     | 1.4/5.8/8.1     |                   |
| Power input  | Cooling                     | Min./Nom./Max.                 | 0.30/0.57/0.92      | 0.30/1.02/1.25  | 0.50/1.55/2.00  |                   |
|  | Heating                     | Min./Nom./Max.                 | 0.29/0.77/1.39      | 0.31/1.19/1.88  | 0.50/1.60/2.60  |                   |
| Seasonal efficiency (according to EN14825)   | Cooling                     | Energy label                   | A+                  |                 |                 |                   |
|  |                             | Pdesign                        | 2.50                | 3.50            | 5.00            |                   |
|  |                             | SEER                           | 5.74                | 5.60            | 5.89            |                   |
|  |                             | Annual energy consumption      | 152                 | 219             | 297             |                   |
|  | Heating (Average climate)   | Energy label                   | A                   |                 |                 |                   |
|  |                             | Pdesign                        | 2.60                | 2.90            | 4.20            |                   |
|  |                             | SCOP                           | 4.56                | 3.93            | 3.80            |                   |
|  |                             | Annual energy consumption      | 798                 | 1,033           | 1,546           |                   |
| Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load) | EER                         |                                | 4.39                | 3.43            | 3.23            |                   |
|  | COP                         |                                | 4.42                | 3.78            | 3.63            |                   |
|  | Annual energy consumption   | kWh                            | 285                 | 510             | 775             |                   |
|  | Energy label                | Cooling/Heating                | A/A                 |                 |                 |                   |
| Casing   | Colour                      |                                | White               |                 |                 |                   |
| Dimensions   | Unit                        | HeightxWidthxDepth             | mm                  |                 |                 |                   |
|  |                             |                                | 600x700x210         |                 |                 |                   |
| Weight   | Unit                        |                                | kg                  |                 |                 |                   |
|  |                             |                                | 14                  |                 |                 |                   |
| Fan - Air flow rate  | Cooling                     | High/Nom./Low/Silent operation | m <sup>3</sup> /min | 8.2/8.2/4.8/4.1 | 8.5/8.5/4.9/4.5 | 10.7/10.7/7.8/6.6 |
|  | Heating                     | High/Nom./Low/Silent operation | m <sup>3</sup> /min | 8.8/6.9/5.0/4.4 | 9.4/7.3/5.2/4.7 | 11.8/10.1/8.5/7.1 |
| Sound power level  | Cooling                     |                                |                     | 52              | 60              |                   |
|  | Heating                     |                                |                     | 52              | 60              |                   |
| Sound pressure level   | Cooling                     | High/Nom./Low/Silent operation | dBA                 | 38/32/26/23     | 39/33/27/24     | 44/40/36/32       |
|  | Heating                     | High/Nom./Low/Silent operation | dBA                 | 38/32/26/23     | 39/33/27/24     | 45/40/36/32       |
| Piping connections   | Liquid                      | OD                             | mm                  | 6.35            |                 |                   |
|  | Gas                         | OD                             | mm                  | 9.5             |                 |                   |
|  | Drain                       | OD                             | mm                  | 20              |                 |                   |
| Power supply   | Phase / Frequency / Voltage | Hz / V                         | 1~ / 50 / 220-240   |                 |                 |                   |

| Outdoor unit         |                             |                           | RXS25L              | RXS35L    | RXS50L      |           |
|----------------------|-----------------------------|---------------------------|---------------------|-----------|-------------|-----------|
| Dimensions           | Unit                        | HeightxWidthxDepth        | mm                  |           | 735x825x300 |           |
|                      |                             |                           | 550x765x285         |           |             |           |
| Weight               | Unit                        |                           | kg                  |           | 47          |           |
|                      |                             |                           | 34                  |           |             |           |
| Fan - Air flow rate  | Cooling                     | High/Super low            | m <sup>3</sup> /min | 33.5/30.1 | 36.0/30.1   | 50.9/48.9 |
|                      | Heating                     | High/Super low            | m <sup>3</sup> /min | 28.3/25.6 |             | 45.0/43.1 |
| Sound power level    | Cooling                     |                           |                     | 59        | 61          | 62        |
|                      | Heating                     |                           |                     | 59        | 61          | 62        |
| Sound pressure level | Cooling                     | High/Low/Silent operation | dBA                 | 46/-/43   | 48/-/44     | 48/44/-   |
|                      | Heating                     | High/Low/Silent operation | dBA                 | 47/-/44   | 48/-/45     | 48/45/-   |
| Operation range      | Cooling                     | Ambient Min.-Max.         | °CDB                | -10~46    |             |           |
|                      | Heating                     | Ambient Min.-Max.         | °CWB                | -15~18    |             |           |
| Refrigerant          | Type/GWP                    |                           | R-410A/1,975        |           |             |           |
| Piping connections   | Piping length               | OU - IU Max.              | m                   | 20        | 30          |           |
|                      | Level difference            | IU - OU Max.              | m                   | 15        | 20.0        |           |
| Power supply         | Phase / Frequency / Voltage | Hz / V                    | 1~ / 50 / 220-240   |           |             |           |
| Current - 50Hz       | Maximum fuse amps (MFA)     | A                         | 10                  |           | 20          |           |

(1) EER/COP according to Eurovent 2012, for use outside EU only.



Indoor unit  
FVXS25,35,50F



Infrared remote control  
ARC452A1



Outdoor unit  
RXS25-35L

Daikin has a worldwide reputation based on 90 years' experience in the successful manufacture of high quality air conditioning equipment for residential, commercial and industrial use and 56 years as a leader in heat pump technology.

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