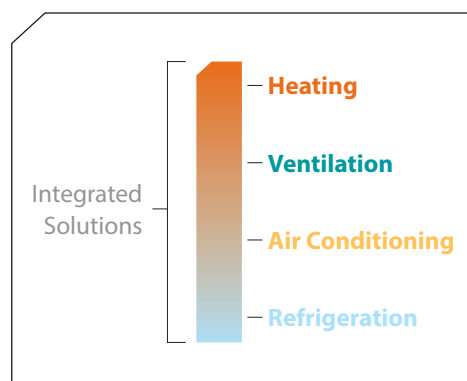


## Fully Flat Cassette

Design & Genius in One



# Fully Flat Cassette



## Design and genius in one

As a market-leader Daikin again shows the way with the launch of yet another world-class cassette that delivers superior design with high performance and low energy consumption, providing the ideal solution for offices, banks and retail outlets.

The fully flat cassette integrates the latest technology with energy saving functions that enhance user comfort, all within a unique design that allows the visible panel to fit flush within standard architectural ceiling panels.

## Fully integrated, fully discreet

The fully flat cassette is a unique iconic design with an elegant white finish with an optional silver or white decoration panel. The cassette blends in, resulting in a fully discreet unit.



white panel



silver and white panel





### Fully flat with the ceiling

The fully flat cassette is the first unit in the market that fits flush with the ceiling.



### Fits architectural ceiling tiles perfectly

The fully flat cassette fits flush in standard European architectural ceiling tiles. The newly designed panel integrates fully within one ceiling tile enabling lights, speakers and sprinklers to be installed in the adjacent ceiling tiles.



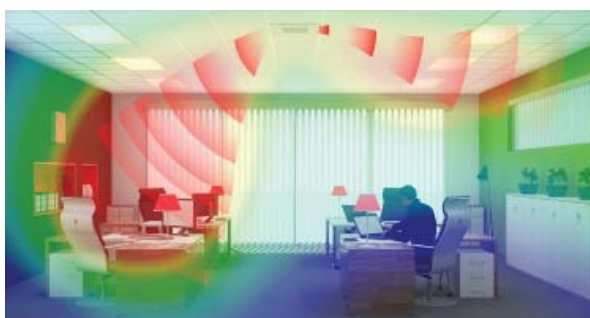
# Differentiated by excellence

## Sensor-driven comfort

To ensure perfect comfort the fully flat cassette is fitted with two optional sensors linked to an advanced controller.



When there is nobody in the room, the presence sensor adjusts the set point or switches off the unit, avoiding unnecessary cooling or heating, thus saving energy. When motion is detected the temperature is reset to its original setpoint ensuring perfect working conditions at all time.



The sensor also directs the airflow depending on where people are in the room, ensuring no draught and every individual's comfort at any time.

Because hot air rises, the natural temperature distribution in a room is for it to be warmer near the ceiling and cooler near the floor. The cassette's 'floor' sensor detects the temperature difference and re-directs the airflow to ensure that the temperature distribution is even - cold feet are history!



## Flexible solution

The need for flexible usage of space often means that temporary or permanent barriers are erected leaving the cassette close to a wall or in a corner with the resulting imbalances in airflow. Our advanced technology anticipates this and we have made it possible to use the controller to individually open or close one of four louvres to restore optimal efficiency and save energy costs.



# Top efficiency year-round

As with all Daikin products, this cassette delivers exceptional seasonal efficiency while the presence sensor has been shown to reduce energy consumption up to 27%.



## Silent comfort

The fully flat cassette is the quietest unit in the light commercial market.

## Air quality

The quality of the air in the room is as important as the temperature and we have fitted advanced filters to remove dust particles to ensure the air is clean. In addition, a special programme allows the humidity levels to be reduced without variations in temperature.

## Intuitive control

The fully flat cassette's advanced controller provides the user with absolute control over their work environment. The large display screen and on-screen instructions combined with clearly marked function buttons allow users to quickly set their desired conditions and to focus on the job at hand.



# Connectivity



Perfect for light commercial pair applications

## Seasonal Smart

The Sky Air Seasonal Smart outdoor unit offers at least 20% better performance than existing inverter solutions, is fully in line with the 20/20/20 EU policy. The technology used gives very high levels of Seasonal Efficiency while improving comfort and reducing running costs. Performance can be enhanced with smart use of Daikin's unique options and settings.

Seasonal Smart can be used in a wide range of applications through features such as:

- 'EDP' setting for use in low humidity, continuous cooling applications such as computer and IT rooms
- R22/R407C replacement technology to help deliver major energy savings and rapid payback
- Guaranteed operation in heating mode down to -20°C external temperature
- 75m pipe run to allow longer distance between indoor and outdoor units
- D-BACS compatibility to link the Sky Air system into a wider building management system
- Customisable evaporating and condensing temperatures to improve operating efficiencies and reduce draughts
- 3 phase and single phase power for all capacities



## Seasonal Classic



The Sky Air Seasonal Classic outdoor unit offers seasonal performance for a range of applications, allowing a system to comply with the new regulations in a cost-effective way.

Seasonal Classic now has a compact single fan casing for the 6.8kW, 9.5kW and 12.0kW units making it more suitable to be installed in smaller spaces.

Seasonal Classic also includes:

- R22/R407C replacement technology to help deliver major energy savings and rapid payback
- Guaranteed operation in heating mode down to -15°C external temperature
- 50m pipe run between indoor and outdoor units
- 3 phase and single phase power units are available

Pair, Twin, triple, double twin

- For long or irregularly shaped rooms you can use up to four indoor units powered by a single outdoor unit.
- All indoor units are controlled at the same time.

| OUTDOOR UNIT     |              |              |  | FFQ-C |    |    |    |
|------------------|--------------|--------------|--|-------|----|----|----|
|                  |              |              |  | 25    | 35 | 50 | 60 |
| Seasonal Smart   | RZQG71L8V1   | RZQG71L8Y1   | <ul style="list-style-type: none"> <li>• operation in heating mode down to -20°C</li> <li>• 75m pipe run</li> <li>• Compatibility with D-BACS</li> </ul> | 3     | 2  |    |    |
|                  | RZQG100L8V1  | RZQG100L8Y1  |  | 4     | 3  | 2  |    |
|                  | RZQG125L8V1  | RZQG125L8Y1  |  | 4     | 4  | 3  | 2  |
|                  | RZQG140L7V1  | RZQG140LY1   |  | 4     | 4  | 3  |    |
| Super Inverter   | RZQ200C      |              | <ul style="list-style-type: none"> <li>• operation in heating mode down to -15°C</li> <li>• 100m pipe run</li> </ul>                                     | -     | -  | 4  | 3  |
|                  | RZQ250C      |              |  | -     | -  |    | 4  |
| Seasonal Classic | RZQSG71L3V1  |              | <ul style="list-style-type: none"> <li>• operation in heating mode down to -15°C</li> <li>• 50m pipe run</li> <li>• Compatibility with D-BACS</li> </ul> | 3     | 2  |    |    |
|                  | RZQSG100L8V1 | RZQSG100L8Y1 |  | 4     | 3  | 2  |    |
|                  | RZQSG125L8V1 | RZQSG125L8Y1 |  | 4     | 4  | 3  | 2  |
|                  | RZQSG140LV1  | RZQSG140LY1  |  | 4     | 4  | 3  |    |

Multi model application

- A single multi outdoor unit can power up nine indoor units in different rooms. Of course, the climate of each room is individually controlled.
- This assures top efficiency and optimum comfort for each separate space.

| OUTDOOR UNIT | 25 | 35 | 50 | 60 |
|--------------|----|----|----|----|
| 2MXS50H      | •  | •  | •  |    |
| 3MXS40K      | •  | •  |    |    |
| 3MXS52E      | •  | •  | •  |    |
| 3MXS68G      | •  | •  | •  | •  |
| 4MXS68F      | •  | •  | •  | •  |
| 4MXS80E      | •  | •  | •  | •  |
| 5MXS90E      | •  | •  | •  | •  |
| RXYSQ-P8V1   | •  | •  | •  | •  |



Fully integrated solutions for medium to large commercial environments connecting up to 64 indoor units to a single system, all individually controlled.

- Perfect comfort by simultaneous heating spaces, while cooling others.
- Free heating of rooms or water possible by heat recovery.
- Temperature control, fresh air, air curtains and hot water production all integrated in a single system.

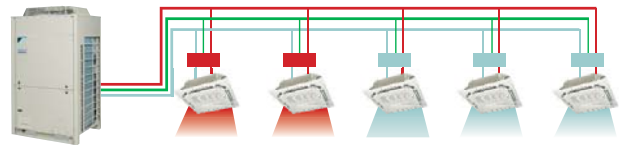
#### CAPACITIES AVAILABLE FOR VRV

|        |    |    |    |    |    |    |
|--------|----|----|----|----|----|----|
| FXZQ-A | 15 | 20 | 25 | 32 | 40 | 50 |
|--------|----|----|----|----|----|----|

# Heat Recovery VRV III

## Why VRV Heat Recovery?

By integrating climate control systems in an innovative way, it is possible to create a much more holistic – and sustainable – energy cycle within a building. Incorporating heat recovery within a VRV solution means it is possible to cut energy usage by up to 60%, which has clear environmental and economic benefits.



Daikin has been the market leader in variable refrigerant flow systems for more than 25 years.

Our Heat Recovery approach is a year-round solution. Even when the temperature outside is sub zero, our total VRV solution still cools interior spaces in which people or equipment are generating heat.

This heat can be recovered to produce hot water or heat spaces in a highly energy efficient way.

With the VRV III BS box, the other indoor units can keep heating while the target indoor units are switched from cooling to heating.

# Heat Pump VRV IV

The VRV IV Heat Pump inherits all the renowned technological features of the VRV III and adds a number of revolutionary technologies, setting the new standard in the market once again.



## 3 revolutionary features

### Variable Refrigerant Temperature

Customise your VRV for the optimum seasonal efficiency and comfort: Revolutionary Variable Refrigerant Temperature control (optimised by Daikin for UK conditions for maximum efficiency and comfort) automatically adapts the system to the individual building and climate requirements.

### Continuous heating during defrost

The new standard in heating comfort: Unique continuous heating technology makes VRV IV Heat Pump the best alternative to traditional heating systems.

### VRV configurator

Software for simplified commissioning, configuration and customisation

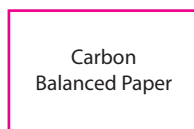
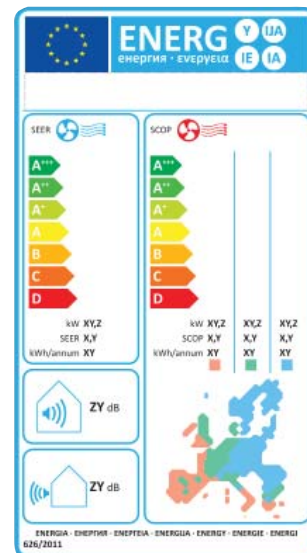
- › Simplified commissioning: graphical interface to configure, commission and upload system settings
- › Simplified servicing: additional 7-segment indicator for easy and quick access to basic functions and error read out

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

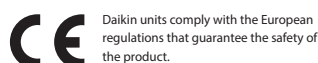
To realise its challenging 20-20-20 environmental goals, Europe is imposing minimum efficiency requirements for energy related projects. These minimum requirements come into effect on 1 January 2013, and will be revised upward in subsequent years.

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 new seasonal performance rating provides a more accurate picture of expected energy efficiency over an entire heating or cooling season.

Completing the picture is a new energy label for EU. The present label, introduced in 1992 and modified in the meantime, allows consumers to compare and make purchasing decisions based on uniform labelling criteria. The new 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 new 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.



Visit [www.eca.gov.uk/etl](http://www.eca.gov.uk/etl) and type 'Daikin' in the quick search box for details of the latest ECA qualifying Daikin units



Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: [www.eurovent-certification.com](http://www.eurovent-certification.com) or using: [www.certiflash.com](http://www.certiflash.com)

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