

# Product catalogue 2024 for professionals



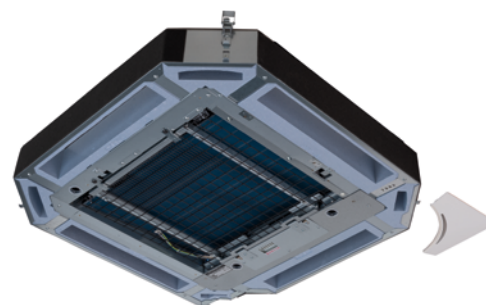
# What's new?

## UV Streamer kit – BAEF125AWB



p. 20

- Purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygienic indoor environment
- Removes 99.9% of viruses in 30 minutes thanks to the Catch and Clean approach
  - Highly efficient ISO ePM1 60% filter (F7)
  - UV light and Streamer technology for cleaning and decomposition of pollutants
- Can be retrofitted into existing installations
- Can be used with BYCQ140E and BYCQ140EW decoration panels



## New Sky Air Active-series combinations

p. 49

- AZAS/ARXM outdoor units now also combine with FHA71~140A9 and FVA100~140A
- Ideal solution for busy environments and small shops
- Maximum piping length up to 30m



## Biddle air curtains - CYA

p. 58

- Unified model for R-32 and R-410A
- Connectable to VRV and ERQ
- 3 models: F: Free-hanging; C: Cassette and R: Recessed (concealed ceiling)



## Daikin Cloud Plus

p. 124

- Remote monitoring and control no matter where you are
- Manage multiple sites and visualize energy consumption with benchmarking
- Remote diagnostics
- Intelligent algorithms predict and prevent failures



## Follow energy consumption via Onecta app

p. 110

- You can now easily follow up energy consumption thanks to visualisation of power consumption and heat output



# Sky Air

## Light commercial applications

|                                                  |     |
|--------------------------------------------------|-----|
| What's new?                                      | 2   |
| Our sustainability values                        | 5   |
| 7 reasons why Sky Air<br>is unique in the market | 8   |
| Year-round comfort<br>with air-to-air heat pumps | 10  |
| Sky Air Indoor units and air curtains            | 13  |
| Sky Air Outdoor units                            | 61  |
| Rooftop                                          | 87  |
| Commercial Ventilation & Air Purification        | 94  |
| Control Systems                                  | 106 |
| Options & accessories                            | 139 |
| Tools and platforms                              | 151 |
| Technical drawings                               | 157 |



# We're on a mission to build a sustainable legacy

It is in our DNA to provide safe, healthy and comfortable spaces throughout the building life cycle using world-leading technology. Driven by a dedication to achieve net zero CO<sub>2</sub> emissions by 2050, we work together with our partners and customers in helping to create a world with healthier indoor air and minimal environmental impact

# Our sustainability values

## Supporting decarbonisation

Our solutions are designed to **support your sustainable goals by reducing the CO<sub>2</sub> footprint of buildings**, whether they are new builds or renovation.



We continuously develop products with lower CO<sub>2</sub> footprint



We maximise real life seasonal efficiency, delivered in a transparent and trustworthy way



We reuse materials where possible, including refrigerants

## A collective journey

Together with our partners and customers, we are working towards the sustainable transformation of our buildings. We provide expert **support and peace of mind** throughout the building life cycle, ensuring **future-proof** solutions for a healthier planet.



We help to make the right choice based on the total lifecycle impact of the solutions



Our team of experts provide in-depth knowledge in the use of EPDs, green building schemes, etc.



AI predictive monitoring of our systems, keeps running costs low and maximises uptime

## Building for the future

As market leaders in total solutions, we are constantly **innovating to meet your changing needs** and offer you a comfortable, healthy and safe environment.



With our wide range of reliable solutions, our experts can meet even the most complex demands



Making fresh air supply and filtration an integral part of our solution ensures maximum well being

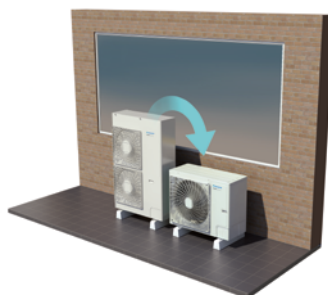


Our solutions are in line with or ahead of legislation, proving you complete peace of mind

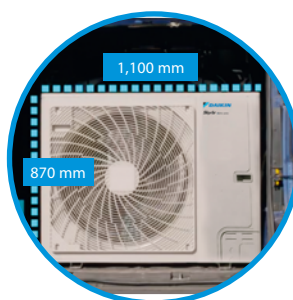
Low height.  
**High value.**



Unique, low-height  
single fan range



Compact unit,  
easy to transport

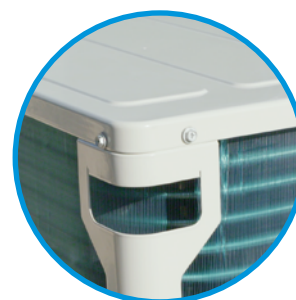


Market-leading  
serviceability  
and handling



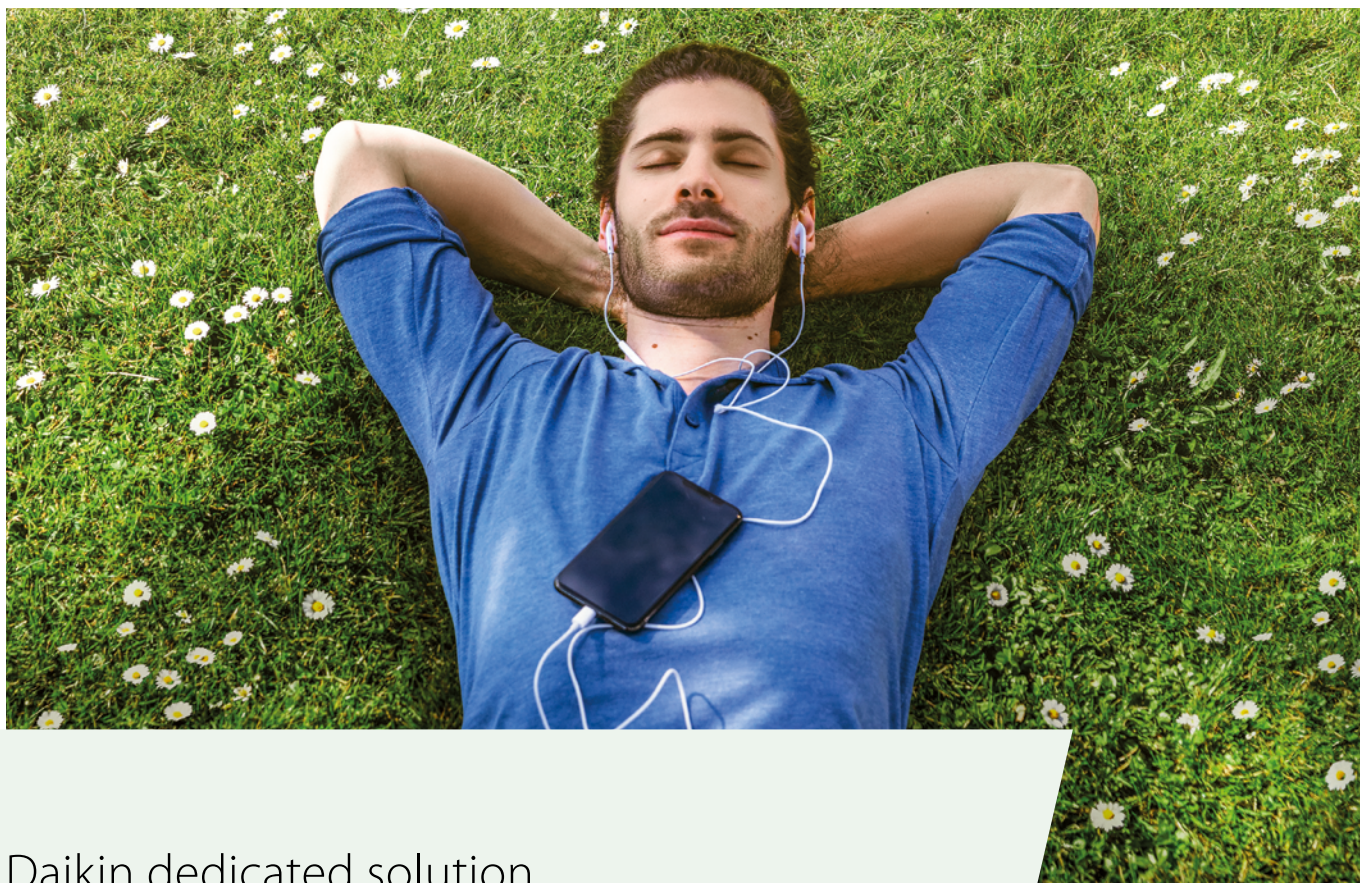
Fast and easy access to all critical  
component

- Single screw access
- Wider access area



Newly positioned handle for  
easier carrying

# The smart way for sound reduction



## Daikin dedicated solution for sound reduction

Meet strict sound requirements, while increasing flexibility to apply Sky Air and VRV heat pumps thanks to sound power reduction of up to 10 dB(A).

- **Guaranteed high performance:** optimised design to keep the capacity and air flow as close as possible to the standard conditions
- **Faster and reliable planning:** no calculations or estimations necessary thanks to tested data according to ISO 3744
- **Perfect fit:** specially designed for Sky Air and VRV heat pumps
- **Maximum flexibility:** can be installed and retrofitted on any plain surface
- **Easy access:** simple and fast installation and maintenance through large side panels with fast locks
- **Designed to be discreet:** tailor-made low height design; highly aesthetic finishing and smooth surface in anthracite colour-tone



[www.daikin.eu/en\\_us/products/ekln-a.html](http://www.daikin.eu/en_us/products/ekln-a.html)

**SkyAir** **VRV**

# 7 Reasons why sky air is unique in the market

## 1 Full Sky Air R-32 range delivering future-proofed, best-in-class climate control

**SkyAir A-series** **BLUEVOLUTION**

More details  
on page 62



| System     | Type      | Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Product name           | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 |
|------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----|----|----|----|-----|-----|-----|-----|-----|
| Air cooled | Heat pump | <b>SkyAir Alpha-series</b> <ul style="list-style-type: none"> <li>Industry leading technology for commercial applications</li> <li>Dedicated solution for infrastructure cooling</li> <li>Variable Refrigerant Temperature (RZAG71-100-125-140 series)</li> <li>Maximum piping length up to 85m (50m for RZAG35-50-60)</li> <li>Replacement technology</li> <li>Extended operation range down to -20°C in both heating and cooling</li> <li>Pair, twin, triple and double twin application (RZAG71-100-125-140 series)</li> </ul> <b>R-32</b><br><b>A++</b><br>(A+++ - D) | RZAG-A<br>RZAG-NV1/NY1 |    |    |    |    |     |     |     |     |     |
|            |           | <b>SkyAir Advance-series</b> <ul style="list-style-type: none"> <li>Technology and comfort combined for commercial applications</li> <li>Very compact and easy to install outdoor units</li> <li>Maximum piping length up to 50m (RZA-D up to 100m)</li> <li>Replacement technology</li> <li>Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C)</li> <li>Pair, twin, triple and double twin application</li> </ul> <b>R-32</b><br><b>A+</b><br>(A+++ - D)                                                                                    | RZASG-MV(1)/MY(1)      |    |    |    |    |     |     |     |     |     |
|            |           | <b>SkyAir Active-series</b> <ul style="list-style-type: none"> <li>Ideal solution for busy environments and small shops</li> <li>Very compact and easy to install outdoor units</li> <li>Maximum piping length up to 30m</li> <li>Replacement technology</li> <li>Easy-to-mount outdoor units: roof, terrace or wall</li> <li>Exclusively offered for pair applications</li> </ul> <b>R-32</b><br><b>A</b><br>(A+++ - D)                                                                                                                                                  | ARXM-R<br>AZAS-MV/MY   |    |    |    |    |     |     |     |     |     |

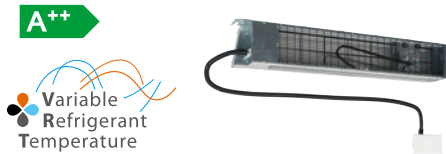
## Full indoor line up

(over 45 different models)



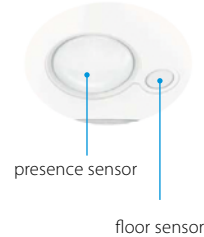
## 2 High energy efficiency

- **Top seasonal efficiency**
  - SEER up to 8.02 and A++ label in cooling and heating
  - Variable Refrigerant Temperature that automatically adapts the refrigerant temperature to the load
- Round flow and concealed ceiling units with **auto cleaning filter**



## 3 Best comfort

- **Variable Refrigerant Temperature** preventing cold draughts
- **Low sound** indoor and outdoor units
- **Presence and floor sensors** direct the air flow away from persons, while ensuring an even temperature distribution
- Operation down to **-20°C in heating and cooling operation**
- **NEW UV Streamer kit**, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1), odours, allergens, etc
- Fresh air intake integrated in indoor unit



## 4 Top reliability

- For **infrastructure cooling**
  - unique boosted capacity indoor unit systems
  - duty rotation control
- **Refrigerant cooled PCB**
- New refrigerant passes keeping heat exchanger and drain holes completely open at all times
- **Most extensive testing** before new units leave the factory
- **Widest support network** and after sales service
- All spare parts available in Europe



bottom plate refrigerant pass

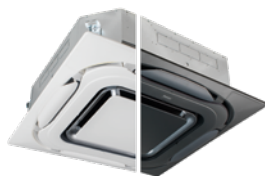
## 5 Market leading controls

- **Remote connectivity**
  - **Intuitive app** control
  - **Daikin Cloud Plus** offering online control, energy monitoring and comparison of multiple sites
- **User-friendly wired remote controller with premium design**
  - Intuitive touch button control
  - 3 color versions
  - Advanced settings can be easily done via your smartphone
- **Dedicated control solutions**
  - for retail applications
  - for infrastructure cooling



## 6 Superior aesthetics

- **Fully flat cassette** design unit that integrates fully flat into the ceiling
- **Auto cleaning** units ensure dirt-free ceilings with high efficiency filters for regular and dust prone areas
- Widest ever range cassette panels
  - Available in **white and black**
  - Sleek **designer panel** range



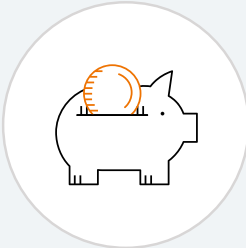
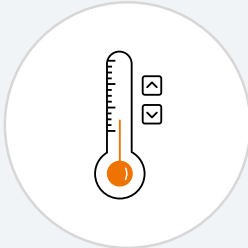
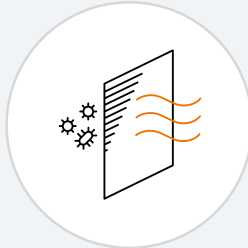
## 7 Unique installation benefits

- **4-way blow ceiling suspended cassette (FUA)** for rooms without false ceiling.
- Plug & play Daikin air handling unit with ERQ condensing units
- Reliably replace Daikin and non-Daikin systems without the need for pipe cleaning thanks to the new hepta filtration
- Dedicated low sound enclosure, reducing sound power up to -10 dB(A)
- Use up to 4 indoor units linked to one outdoor unit for long or irregularly shaped rooms



# Year-round comfort with air-to-air heat pumps

Get year-round comfort with advanced, efficient, heating and cooling technology.

|                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| Energy efficient for sustainability and savings                                   | Effortless temperature control, maximum comfort                                   | Optimal indoor air quality                                                         | Sleek, elegant design                                                               |

## Designed to suit any space

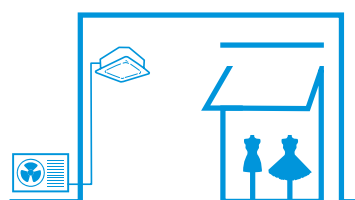
Having the widest range on the market, Sky Air units will always fit your needs.

|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Cassette units</b> <ul style="list-style-type: none"><li>Centrally located for balanced comfort</li><li>Mounted against or in the ceiling, leaving maximum space at the walls</li></ul> | <br><b>Concealed ceiling unit</b> <ul style="list-style-type: none"><li>Discreetly concealed in the ceiling</li><li>Only the grilles are visible</li></ul> | <br><b>Wall mounted</b> <ul style="list-style-type: none"><li>For installation high on the wall</li><li>Ideal for above indoor installations</li></ul> | <br><b>Floor standing</b> <ul style="list-style-type: none"><li>For installation on the ground</li><li>This unit can be fit beneath a window</li></ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

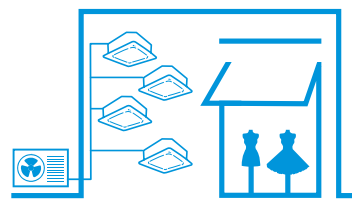
## Tackle any size of room

Connect up to 4 indoor units on 1 outdoor unit to tackle also larger or irregular shaped rooms. All units are linked to a single control, ensuring an even comfort experience.

Pair solution



Twin, triple, double twin solution



## A total building solution

Our Sky Air solution does not only control temperature. Also fresh air ventilation and over-door air curtains keep your indoor space at the highest comfort. All controllable from any place you are and giving in-depth information on energy consumption to optimize energy use.

|                                                                                                                                       |                                                                                                                                                |                                                                                                                                      |                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Heating and cooling</b> for year round comfort |  <b>Fresh air ventilation</b> for high quality environments |  <b>Controls</b> for maximum operating efficiency |  <b>Air curtains</b> for optimum air separation |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

# Typical Sky Air applications

## Shops

### Reducing retail costs

"Together with Daikin's technical team we have optimised the design of our HVAC system, reducing investment levels and operational costs. Daikin has offered us access to the most up to date technology."  
Retail shop representative



youtube.com/  
DaikinEurope

Shops



## Offices

### Efficiency in the workplace

"Leading edge design in harmony with the construction and interior design."  
Architect



youtube.com/  
DaikinEurope

Office



## Hotel

### Hospitality with economy

"With Daikin we could perfectly combine the authenticity of the hotel with the latest technology and comfort."  
B&B owner



## Residential

### There is no place like home

"A cost effective, low energy consumption heat pump system for home owners, offering maximum comfort."



## Infrastructure cooling

### Maximum reliability for IT rooms, laboratories and telecom shelters

"A reliable system and guaranteed continuous operation are what count for me."  
General office manager





Sky Air, from high specification, tailored solutions to primary cooling and heating



# Fully Flat Cassette

## Design & Genius in one

### Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- Advanced technology and top efficiency combined
- Most quiet cassette available on the market

FFA-A9 / FXZQ-A



Choice between grey or white panel

### Benefits for the installer

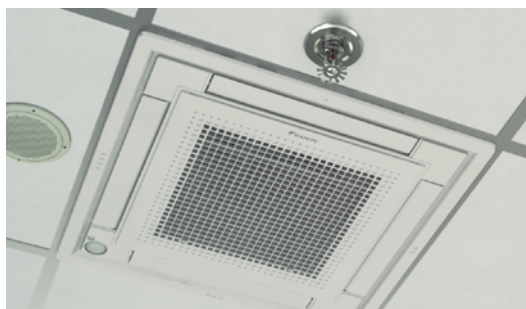
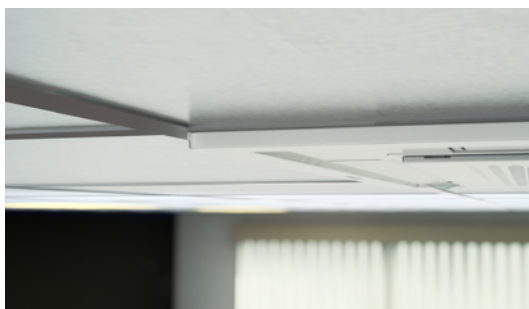
- Unique product in the market!
- Most quiet unit (25dBA)
- The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
- Meeting European design taste.

### Benefits for the consultant

- Unique product in the market!
- Blends seamlessly in any modern office interior design
- Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA\*) or VRV IV heat pump units (FXZQ\*).

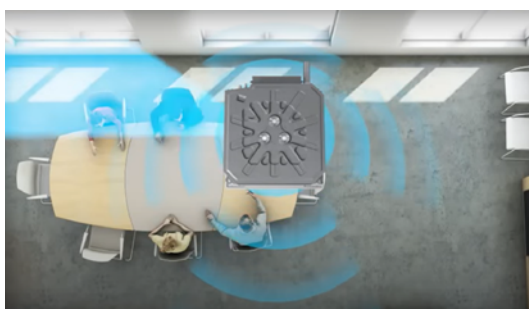
### Benefits for the end user

- Engineering excellence and unique design in one
- Most quiet unit (25dBA)
- Perfect working conditions: no more cold draughts
- Save up to 27% on your energy bill thanks to the optional sensors
- Flexible usage of space and suits any room configuration thanks to individual flap control
- User-friendly remote control, available in several languages.



## Unique design

- Designed by a European design office to fully meet the European taste.
- Fully flat into the ceiling, leaving only 8mm.
- Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
- Decoration panel available in 2 colours (white and white-silver).



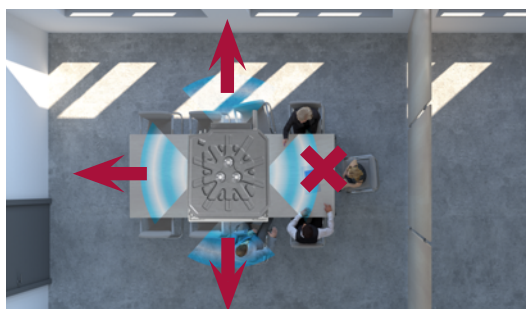
## Differentiating in technology

### Optional presence sensor

- When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
- When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

### Optional floor sensor

- Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.



## Top efficiency

- Seasonal efficiency labels up to **A++** \*
- When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.

\* for FFA25,35A9 in combination with RXM25,35

## Other benefits

- Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E/BRC1H) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
- Most silent cassette in the market (25dBA), important for office applications.

### Marketing tools

- [https://www.daikin.eu/en\\_us/product-group/fully-flat-cassette.html](https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html)
- [www.youtube.com/DaikinEurope](https://www.youtube.com/DaikinEurope)



# Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed



FFA-A9

RZAG-A

| Efficiency data                    |                               |                    |                 | FFA + RZAG | 35A9 + 35A                                                                     | 50A9 + 50A     | 60A9 + 60A     |
|------------------------------------|-------------------------------|--------------------|-----------------|------------|--------------------------------------------------------------------------------|----------------|----------------|
| Cooling capacity                   | Min./Nom./Max.                |                    |                 | kW         | 1.6/3.5/4.5                                                                    | 1.7/5.0/6.0    | 1.7/6.0/6.5    |
| Heating capacity                   | Min./Nom./Max.                |                    |                 | kW         | 1.40/4.00/5.00                                                                 | 1.50/5.80/6.00 | 1.60/7.00/7.50 |
| Space cooling                      | Energy efficiency class       |                    |                 |            | A++                                                                            |                | A+             |
|                                    | Capacity                      | Pdesign            |                 | kW         | 3.50                                                                           | 5.00           | 6.00           |
|                                    | SEER                          |                    |                 |            | 6.40                                                                           | 6.30           | 5.80           |
|                                    | Annual energy consumption     |                    |                 | kWh/a      | 191                                                                            | 278            | 362            |
| Space heating<br>(Average climate) | Energy efficiency class       |                    |                 |            | A                                                                              |                | A+             |
|                                    | Capacity                      | Pdesign            |                 | kW         | 4.20                                                                           | 4.30           | 4.50           |
|                                    | SCOP/A                        |                    |                 |            | 3.80                                                                           | 4.01           | 4.04           |
|                                    | Annual energy consumption     |                    |                 | kWh/a      | 1,546                                                                          | 1,501          | 1,558          |
| Indoor unit                        |                               |                    |                 | FFA        | 35A9                                                                           | 50A9           | 60A9           |
| Dimensions                         | Unit                          | HeightxWidthxDepth |                 | mm         | 260x575x575                                                                    |                |                |
| Weight                             | Unit                          |                    |                 | kg         | 16.0                                                                           | 17.5           |                |
| Air filter                         | Type                          |                    |                 |            | Resin net                                                                      |                |                |
| Decoration panel                   | Model                         |                    |                 |            | BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1                            |                |                |
|                                    | Colour                        |                    |                 |            | White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)                            |                |                |
|                                    | Dimensions                    | HeightxWidthxDepth |                 | mm         | 46x620x620 / 46x620x620 / 55x700x700 / 55x700x700                              |                |                |
|                                    | Weight                        |                    |                 | kg         | 2.8/2.8/2.7/2.7                                                                |                |                |
| Fan                                | Air flow rate                 | Cooling            | Low/Medium/High | m³/min     | 6.5/8.5/10.0                                                                   | 8.6/10.9/12.7  | 9.5/12.5/14.5  |
|                                    |                               | Heating            | Low/Medium/High | m³/min     | 6.5/8.5/10.0                                                                   | 8.6/10.9/12.7  | 9.5/12.5/14.5  |
| Sound power level                  | Cooling                       |                    |                 | dBA        | 51.0                                                                           | 56.0           | 60.0           |
| Sound pressure level               | Cooling                       | Low/Medium/High    |                 | dBA        | 25.0/30.5/34.0                                                                 | 27.0/34.0/39.0 | 32.0/40.0/43.0 |
|                                    | Heating                       | Low/Medium/High    |                 | dBA        | 25.0/30.5/34.0                                                                 | 27.0/34.0/39.0 | 32.0/40.0/43.0 |
| Control systems                    | Infrared remote control       |                    |                 |            | BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel) |                |                |
|                                    | Wired remote control          |                    |                 |            | BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52                        |                |                |
| Power supply                       | Phase/Frequency/Voltage       |                    |                 | Hz/V       | 1~/50/220-240                                                                  |                |                |
| Outdoor unit                       |                               |                    |                 | RZAG       | 35A                                                                            | 50A            | 60A            |
| Dimensions                         | Unit                          | HeightxWidthxDepth |                 | mm         | 734x870x373                                                                    |                |                |
| Weight                             | Unit                          |                    |                 | kg         | 52                                                                             |                |                |
| Sound power level                  | Cooling                       |                    |                 | dBA        | 62.0                                                                           | 63.0           | 64.0           |
|                                    | Heating                       |                    |                 | dBA        | 62.0                                                                           | 63.0           | 64.0           |
| Sound pressure level               | Cooling                       | Nom.               |                 | dBA        | 48.0                                                                           | 49.0           | 50.0           |
|                                    | Heating                       | Nom.               |                 | dBA        | 48.0                                                                           | 49.0           | 50.0           |
| Operation range                    | Cooling                       | Ambient            | Min.~Max.       | °CDB       | -20~-52                                                                        |                |                |
|                                    | Heating                       | Ambient            | Min.~Max.       | °CWB       | -20~-24                                                                        |                |                |
| Refrigerant                        | Type/GWP                      |                    |                 |            | R-32/675.0                                                                     |                |                |
|                                    | Charge                        |                    |                 | kg/TCO2Eq  | 1.55/1.05                                                                      |                |                |
| Piping connections                 | Liquid/Gas OD                 |                    |                 | mm         | 6.35/9.52                                                                      | 6.35/12.7      |                |
|                                    | Piping length                 | OU - IU System     | Max. Chargeless | m          | 50                                                                             |                |                |
|                                    |                               |                    |                 | m          | 30                                                                             |                |                |
|                                    | Additional refrigerant charge |                    |                 | kg/m       | 0.02 (for piping length exceeding 30m)                                         |                |                |
|                                    | Level difference IU - OU      |                    |                 | Max.       | 30.0                                                                           |                |                |
| Power supply                       | Phase/Frequency/Voltage       |                    |                 | Hz/V       | 1~/50/220-240                                                                  |                |                |

Contains fluorinated greenhouse gases

# Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Unified indoor unit range for R-32 and R-410A
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed



|                                    |                                           |                    |                 | FFA-A9                                            | RXM-R                                                                          | RXM-R9         | RXM-A          |                |
|------------------------------------|-------------------------------------------|--------------------|-----------------|---------------------------------------------------|--------------------------------------------------------------------------------|----------------|----------------|----------------|
| Efficiency data                    |                                           |                    |                 | FFA + RXM                                         | 25A9 + 25R9                                                                    | 35A9 + 35R9    | 50A9 + 50A     | 60A9 + 60R     |
| Cooling capacity                   | Nom.                                      |                    | kW              |                                                   | 2.50                                                                           | 3.40           | 5.00           | 5.70           |
| Heating capacity                   | Nom.                                      |                    | kW              |                                                   | 3.20                                                                           | 4.20           | 5.80           | 7.00           |
| Power input                        | Cooling                                   | Nom.               | kW              |                                                   | 0.55                                                                           | 0.89           | 1.54           | 1.86           |
|                                    | Heating                                   | Nom.               | kW              |                                                   | 0.82                                                                           | 1.20           | 1.66           | 2.05           |
| Space cooling                      | Energy efficiency class                   |                    |                 |                                                   | A++                                                                            |                | A+             |                |
|                                    | Capacity                                  | Pdesign            | kW              |                                                   | 2.50                                                                           | 3.40           | 5.00           | 5.70           |
|                                    | SEER                                      |                    |                 |                                                   | 6.17                                                                           | 6.38           | 5.98           | 5.76           |
|                                    | Annual energy consumption                 |                    | kWh/a           |                                                   | 142                                                                            | 186            | 293            | 346            |
| Space heating<br>(Average climate) | Energy efficiency class                   |                    |                 |                                                   | A+                                                                             |                | A              |                |
|                                    | Capacity                                  | Pdesign            | kW              |                                                   | 2.31                                                                           | 3.10           | 3.84           | 3.96           |
|                                    | SCOP/A                                    |                    |                 |                                                   | 4.24                                                                           | 4.10           | 3.90           | 4.04           |
|                                    | Annual energy consumption                 |                    | kWh/a           |                                                   | 762                                                                            | 1,058          | 1,378          | 1,373          |
| Nominal efficiency                 | EER                                       |                    |                 |                                                   | 4.57                                                                           | 3.81           | 3.24           | 3.05           |
|                                    | COP                                       |                    |                 |                                                   | 3.90                                                                           | 3.50           | 3.49           | 3.41           |
|                                    | Annual energy consumption                 |                    |                 | kWh                                               | 273                                                                            | 446            | 772            | 931            |
|                                    | Energy labeling Directive Cooling/Heating |                    |                 |                                                   | A/A                                                                            | A/B            |                | B/B            |
| Indoor unit                        |                                           |                    |                 | FFA                                               | 25A9                                                                           | 35A9           | 50A9           | 60A9           |
| Dimensions                         | Unit                                      | HeightxWidthxDepth |                 | mm                                                | 260x575x575                                                                    |                |                |                |
| Weight                             | Unit                                      |                    |                 | kg                                                | 16.0                                                                           |                |                |                |
| Air filter                         | Type                                      |                    |                 |                                                   | Resin net                                                                      |                |                |                |
| Decoration panel                   | Model                                     |                    |                 |                                                   | BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1                            |                |                |                |
|                                    | Colour                                    |                    |                 |                                                   | White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)                            |                |                |                |
|                                    | Dimensions                                | HeightxWidthxDepth | mm              | 46x620x620 / 46x620x620 / 55x700x700 / 55x700x700 |                                                                                |                |                |                |
|                                    | Weight                                    |                    |                 | kg                                                | 2.8/2.8/2.7/2.7                                                                |                |                |                |
| Fan                                | Air flow rate                             | Cooling            | Low/Medium/High | m³/min                                            | 6.5/8.0/9.0                                                                    | 6.5/8.5/10.0   | 8.6/10.9/12.7  | 9.5/12.5/14.5  |
|                                    |                                           | Heating            | Low/Medium/High | m³/min                                            | 6.5/8.0/9.0                                                                    | 6.5/8.5/10.0   | 8.6/10.9/12.7  | 9.5/12.5/14.5  |
| Sound power level                  | Cooling                                   |                    |                 | dBA                                               | 48.0                                                                           | 51.0           | 56.0           | 60.0           |
| Sound pressure level               | Cooling                                   | Low/Medium/High    |                 | dBA                                               | 25.0/28.5/31.0                                                                 | 25.0/30.5/34.0 | 27.0/34.0/39.0 | 32.0/40.0/43.0 |
|                                    | Heating                                   | Low/Medium/High    |                 | dBA                                               | 25.0/28.5/31.0                                                                 | 25.0/30.5/34.0 | 27.0/34.0/39.0 | 32.0/40.0/43.0 |
| Control systems                    | Infrared remote control                   |                    |                 |                                                   | BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel) |                |                |                |
|                                    | Wired remote control                      |                    |                 |                                                   | BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52                        |                |                |                |
| Power supply                       | Phase/Frequency/Voltage                   |                    |                 | Hz/V                                              | 1~/50 /220-240                                                                 |                |                |                |
| NEW                                |                                           |                    |                 |                                                   |                                                                                |                |                |                |
| Outdoor unit                       |                                           |                    |                 | RXM                                               | 25R9                                                                           | 35R9           | 50A            | 60R            |
| Dimensions                         | Unit                                      | HeightxWidthxDepth |                 | mm                                                | 552x840x350                                                                    |                | 734x954x401    |                |
| Weight                             | Unit                                      |                    |                 | kg                                                | 32                                                                             |                | 49.0           |                |
| Sound pressure level               | Cooling                                   | Nom.               |                 | dBA                                               | 46.0                                                                           | 49.0           | 48.0           |                |
|                                    | Heating                                   | Nom.               |                 | dBA                                               | 47.0                                                                           |                | 49.0           |                |
| Operation range                    | Cooling                                   | Ambient            | Min.~Max.       | °CDB                                              | -10~-46                                                                        |                |                |                |
|                                    | Heating                                   | Ambient            | Min.~Max.       | °CWB                                              | -15~-18                                                                        |                |                |                |
| Refrigerant                        | Type                                      |                    |                 |                                                   | R-32                                                                           |                |                |                |
|                                    | GWP                                       |                    |                 |                                                   | 675                                                                            |                |                |                |
| Piping connections                 | Charge                                    |                    |                 | kg/TCO2Eq                                         | 0.76/0.52                                                                      |                | 1.15/0.780     |                |
|                                    | Liquid                                    | OD                 |                 | mm                                                | 6.35                                                                           |                |                |                |
|                                    | Gas                                       | OD                 |                 | mm                                                | 9.52                                                                           |                |                |                |
|                                    | Piping length                             | OU - IU            | Max.            | m                                                 | 20                                                                             |                |                |                |
| Additional refrigerant charge      | System                                    |                    |                 | Chargeless                                        | 10                                                                             |                |                |                |
|                                    | Additional refrigerant charge             |                    |                 | kg/m                                              | 0.02 (for piping length exceeding 10m)                                         |                |                |                |
|                                    | Level difference IU - OU                  |                    |                 | Max.                                              | 15                                                                             |                |                |                |
| Power supply                       | Phase/Frequency/Voltage                   |                    |                 | Hz/V                                              | 1~/50 /220-240                                                                 |                |                |                |
| Current - 50Hz                     | Maximum fuse amps (MFA)                   |                    |                 | A                                                 | 13                                                                             |                |                |                |
|                                    |                                           |                    |                 |                                                   | 16                                                                             |                |                |                |

Contains fluorinated greenhouse gases