



## Sisteme de aer condiționat Încălzire și răcire

*Siesta*<sup>®</sup>

*SkyAir*<sup>®</sup>

GAMĂ COMPLETĂ DE  
MODELE DIN CLASA  
ENERGETICĂ A

Unități de tip casetă

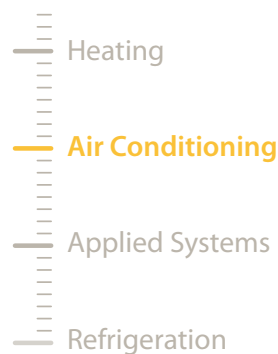


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ABQ-A / AZQS-AV1

All Seasons  
°CLIMATE COMFORT







Daikin Europe N.V.

## ABOUT DAIKIN

Daikin has a worldwide reputation based on 85 years' experience in the successful manufacture of high quality air conditioning equipment for industrial, commercial and residential use.

### **Daikin quality**

Daikin's much envied quality quite simply stems from the close attention paid to design, production and testing as well as aftersales support. To this end, every component is carefully selected and rigorously tested to verify its contribution to product quality and reliability.

## ENVIRONMENTAL AWARENESS

Air conditioning enhances the indoor climate, providing pleasant working and living conditions in even the harshest climates. In recent years however, aware of the need to safeguard the environment, Daikin has taken great strides to limit negative effects associated with its production and operation. As a result, new energy saving equipment combined with innovative manufacturing techniques, minimise any impact on the environment.

### **Commitment to the environment**

Concern for the environment is inherent throughout Daikin's global operations, from design and production to the everyday actions of its workforce. Daikin heat pumps in combination with in-house inverter technology offer unparalleled indoor heating comfort and process efficiency.

### **Heat Pump Efficiency**

Heat pumps can extract heat energy from the outside air, even on the coldest days of winter. Daikin systems are capable of providing comfortable and efficient indoor heating as well as meeting exact industrial heating and cooling requirements.

### **Energy efficient equipment**

Many product innovations stem from Daikin environmental awareness. Inverter control reduces unit start up time and varies compressor output to match precise system load requirements. Also, when linked with Daikin DC compressor motors, it allows

Daikin equipment to achieve the highest COP ratings in the market. Similarly, advanced computerised control packages ensure optimum system efficiency at all times and allow remote monitoring via the internet.

### **Reducing waste**

Daikin was the first European air conditioning manufacturer to gain ISO14001 environmental certification. The company's zero waste policy ensures that many of its manufacturing by products can be recycled, reused or recovered.

### **Recycling materials**

Daikin recycles materials as a matter of course. For instance, the sludge recovered from pre treated waste water is used in cement manufacture. The recycling of other types of waste is also supported by investment in returnable packaging.



# WHY CHOOSE DAIKIN?

## Cutting edge technology

For the last 50 years, Daikin has been the market leader in cutting-edge climate control technology that is both energy efficient and eco-friendly. Our systems have been independently tested against the latest and most demanding energy and ecological standards and our heat pump systems were the first to receive the EU's Eco-Label.

As your partner of choice for the installation and maintenance of flexible, trouble-free and cost-effective climate control solutions, we have a global network of engineers providing local service. By installing Daikin equipment you can be assured that you have very energy efficient units with a low ecological impact thus saving you money and helping the environment.

3/4  
Renewable  
ambient air

1/4  
Electrical  
energy



## Heat pump

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 such as solar energy, wind energy, hydropower and biomass. A heat pump's efficiency is measured in COP (Coefficient Of Performance) for heating and EER (Energy Efficiency Ratio) for cooling.

\* EU objective COM (2008)/30



22°C

Desired room  
temperature  
optimally  
maintained



## Inverter technology

Daikin's inverter technology is a true innovation in the field of climate control. The principle is simple: inverters adjust the power used to suit the actual requirement - no more, no less! This technology provides you with two main benefits:

### **Optimizing comfort levels**

The inverter repays its investment many times over by improving comfort. A climate control system with an inverter continuously adjusts its cooling and heating output to suit the temperature in the room, thus improving comfort levels. The inverter reduces system start-up time enabling the required room temperature to be reached more quickly. As soon as the correct temperature is reached, the inverter ensures that it is constantly maintained.

### **Energy efficiency**

Because an inverter monitors and adjusts ambient temperature whenever needed, energy consumption drops by 30% compared to a traditional on/off (non-inverter) heat pump system!



ABQ-A



ARCWA



### Comfort & Efficiency

- › Energy label: up to class A
- › Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- › Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible

### Filter

- › Air filter removes airborne dust particles to ensure a steady supply of clean air

### Flexible installation

- › Easy installation and maintenance
- › Compact dimensions, can easily be mounted in a narrow ceiling void
- › Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall



AZQS-AV1





## Heating & Cooling

| INDOOR UNIT                    |                             |                          |     | ABQ71A         | ABQ100A       | ABQ125A       | ABQ140A        |
|--------------------------------|-----------------------------|--------------------------|-----|----------------|---------------|---------------|----------------|
| Cooling capacity               | Nom.                        |                          | kW  | 7.2            | 10.2          | 13.3          | 13.9           |
| Heating capacity               | Nom.                        |                          | kW  | 8.3            | 11.2          | 15.9          | 16.5           |
| Power input                    | Cooling                     | Nom.                     | kW  | 2.21           | 3.09          | 4.15          | 4.61           |
|                                | Heating                     | Nom.                     | kW  | 2.21           | 3.03          | 4.40          | 4.83           |
| EER                            |                             |                          |     | 3.26           | 3.30          | 3.21          | 3.01           |
| COP                            |                             |                          |     | 3.75           | 3.71          | 3.62          | 3.41           |
| Annual energy consumption      |                             |                          | kWh | 1,105          | 1,545         | 2,075         | 2,305          |
| Energy label                   | Cooling/Heating             |                          |     | A/A            |               |               | B/B            |
| Dimensions                     | Unit                        | HeightxWidthxDepth       | mm  | 285x1,020x600  | 305x1,325x638 | 378x1,388x541 | 378x1,588x541  |
| Weight                         | Unit                        |                          | kg  | 35.0           | 47.0          | 50.0          | 56.0           |
| Fan - External static pressure | Super high/High/Nom./Low    |                          |     | Pa             | 78/53/38/25   | 118/96/78/61  | 147/126/109/92 |
| Sound power level              | Cooling                     | Super high/High/Nom./Low | dBA | 67/64/61/57    | 80/76/73/70   | 78/76/73/70   | 79/78/75/71    |
|                                | Heating                     | High/Nom./Low            | dBA | 64/61/57       | 76/73/70      |               | 78/75/71       |
| Sound pressure level           | Cooling                     | Super high/High/Nom./Low | dBA | 44/41/38/34    | 55/51/48/45   | 53/52/50/47   | 55/53/50/47    |
|                                | Heating                     | High/Nom./Low            | dBA | 41/38/34       | 51/48/45      | 52/50/47      | 53/50/47       |
| Power supply                   | Phase / Frequency / Voltage |                          |     | Hz / V         |               |               |                |
|                                |                             |                          |     | 1 ~ / 50 / 230 |               |               |                |

| OUTDOOR UNIT         |                               |                    |           |        | AZQS71AV1                            | AZQS100AV1    | AZQS125AV1                            | AZQS140AV1 |  |
|----------------------|-------------------------------|--------------------|-----------|--------|--------------------------------------|---------------|---------------------------------------|------------|--|
| Dimensions           | Unit                          | HeightxWidthxDepth |           | mm     | 770x900x320                          | 1,345x900x320 |                                       |            |  |
| Weight               | Unit                          |                    |           | kg     | 67                                   | 109           |                                       |            |  |
| Fan                  | Air flow rate                 | Cooling            | Nom.      | m³/min | 52                                   | 96            | 100                                   | 97         |  |
|                      |                               | Heating            | Nom.      | m³/min | 48                                   |               | 90                                    |            |  |
| Sound power level    | Cooling                       | Nom.               |           | dBA    | 64                                   | 65            | 67                                    | 68         |  |
| Sound pressure level | Cooling                       | Nom.               |           | dBA    | 48                                   | 50            | 51                                    |            |  |
|                      | Heating                       | Nom.               |           | dBA    | 50                                   | 52            | 53                                    |            |  |
|                      | Night quiet mode              | Level 1            |           | dBA    | 43                                   | 45            |                                       | 46         |  |
| Compressor           | Type                          |                    |           |        | Hermetically sealed swing compressor |               | Hermetically sealed scroll compressor |            |  |
| Operation range      | Cooling                       | Ambient            | Min.~Max. | °CDB   | -15.0~-50.0                          |               |                                       |            |  |
|                      | Heating                       | Ambient            | Min.~Max. | °CWB   | -20.0~-15.5                          |               |                                       |            |  |
| Refrigerant          | Type                          |                    |           |        | R-410A                               |               |                                       |            |  |
| Piping connections   | Liquid                        | OD                 |           | mm     | 9.52                                 |               |                                       |            |  |
|                      | Gas                           | OD                 |           | mm     | 15.9                                 |               |                                       |            |  |
|                      | Drain                         | OD                 |           | mm     | 26                                   |               |                                       |            |  |
|                      | Additional refrigerant charge |                    |           |        | kg/m                                 |               |                                       |            |  |
|                      | Level difference              | IU - OU            |           | Max.   | m                                    | 30.0          |                                       |            |  |
|                      |                               | IU - IU            |           | Max.   | m                                    | 0.5           |                                       |            |  |
| Power supply         | Phase / Frequency / Voltage   |                    |           |        | Hz / V                               |               |                                       |            |  |
|                      |                               |                    |           |        | 1 ~ / 50 / 220-240                   |               |                                       |            |  |

## TIN LAVIR ȘI DAIKIN, PARTENERII DVS. DE ÎNCREDERE

Daikin este specialistul în sisteme de climatizare – pentru locuințe și pentru mari spații comerciale și industriale. Depunem toate eforturile pentru asigurarea satisfacției depline a clienților noștri.

## PRODUSE INOVATIVE, DE CALITATE SUPERIOARĂ

Inovația și calitate constituie principiile de bază ale filozofiei Daikin. Întreaga echipa Daikin este instruită permanent în vederea furnizării informațiilor și consilierii optime.

## UN MEDIU CURAT

Prin achiziționarea unui produs Daikin clientul nostru contribuie semnificativ la îmbunătățirea mediului. La fabricarea sistemelor destinate clienților noștri, ne străduim să asigurăm un consum durabil de energie, reciclarea produselor și reducerea deșeurilor. Daikin aplică cu rigurozitate principiile de design ecologic, prin reducerea utilizării materialelor dăunătoare pentru mediu.

## TRADIȚIA TIN LAVIR

“Tin Lavir” S.R.L. este o societate cu o tradiție de 15 ani în domeniul echipamentelor de climatizare, ventilație, încălzire și confort a cărei renume se datorează în mod special calității percepute și transmise de la client la client.

Pentru a acoperi în totalitate cerințele beneficiarilor ne-am orientat către furnizori de prestigiu cu produse de calitate pe piața mondială și suntem în măsură să rezolvăm orice problemă de climatizare prin gama completă de servicii oferite:

**Proiectare și dimensionare** corespunzătoare pentru orice spațiu prin deplasarea specialiștilor firmei noastre la fața locului;

**Livrarea** instalațiilor, accesoriilor și materialelor în cel mai scurt timp la sediul beneficiarului;

**Montarea** instalațiilor chiar și în cele mai dificile condiții fără modificări în arhitectura și structura încăperilor cu ajutorul echipelor proprii specializate și dotate la cele mai înalte standarde din domeniu;

**Executarea service-ului** și seria completă de operațiuni de întreținere și reparații atât în garanție cât și în postgaranție.

Dacă aveți vreodată nevoie de noi în rezolvarea acestor probleme de climatizare, vă spunem că merită să ne întrebați. De aceea existăm noi care suntem specializați în acest domeniu și care facem față exigentelor oferindu-vă posibilitatea de a face o alegere!



### TIN LAVIR SRL

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