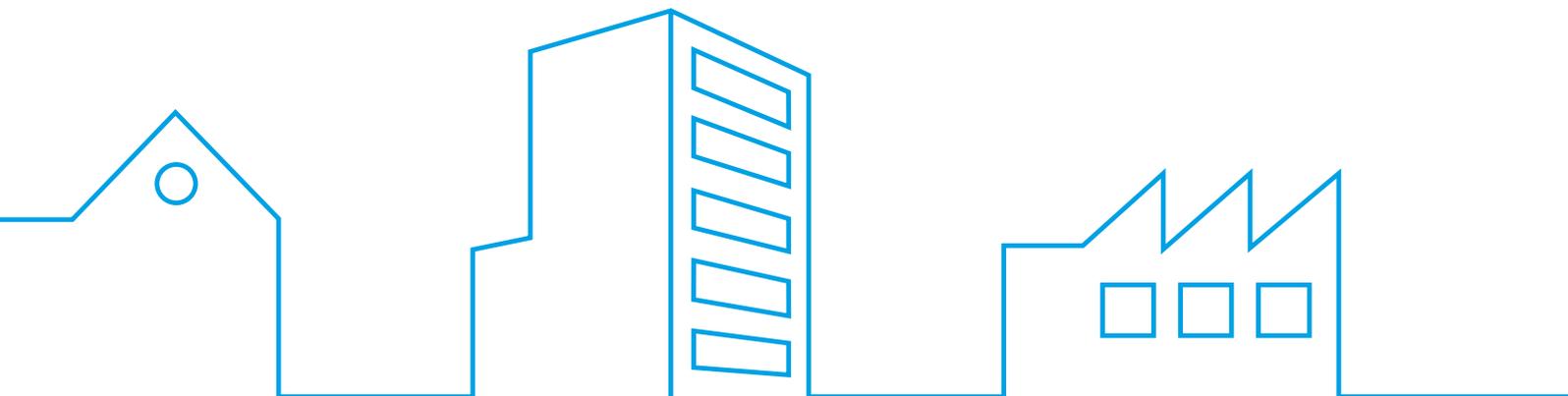




# About us





**Mr. Minaka**  
President  
Daikin Europe N.V.



# Our promise

Our promise is to ensure that customers, both current and future, can absolutely depend on Daikin for the ultimate in comfort, so that they are free to focus on their own working and home lives.

We promise to dedicate ourselves to technological excellence, a design focus and the highest quality standards so that our customers can trust and rely on the comfort we deliver.

Our promise to the planet is absolute. Our products are at the forefront of low energy-usage and we will innovate to further reduce the environmental impact of HVACR (Heating, Ventilation, Air conditioning, Refrigeration) solutions. We lead where others follow.

We will continue our global leadership in HVACR solutions as our specialist expertise in all market sectors combined with 90 years' experience enable us to deliver added value in long-lasting relationships based on trust, respect and credibility.

We promise to continue our forward-thinking ethos, treating challenges as opportunities to produce ever-better solutions. We will drive innovation and go the extra distance for our customers and our company. We will be smart and ready to do things differently.

# About Daikin

## First in innovation and quality

Bringing comfort and industrial solutions to homes and businesses while respecting the increased concern for the environment, demands the highest levels of innovation and quality. To our credit belong industry revolutions such as VRV and inverter control, technologies that continue to translate themselves into new levels of efficiency and comfort. We are also the only equipment manufacturer in the industry to be involved in developing better refrigerants that are safer for our environment.

## Worldwide presence

Having the best technology attracts the best distributors and dealers. Thus in addition to a guaranteed technical edge, we can count on a highly developed sales network. We continually nourish our relationships with distributors and dealers, which sometimes results in acquisitions as affiliates, but always in a win-win partnership.

## The Daikin solution

Total comfort and service demands a complete product range. We are committed to the continuing development of our offerings for residential, commercial and industrial use. All of our offerings in these areas benefit from the same technological excellence and attention to quality that have marked Daikin products from the beginning.

## Products from Europe, for Europe

Daikin Europe N.V. has launched an extensive European Development Center (EDC). The EDC will evolve in the future into an important European R&D center, based in Ostend and with satellites in Czech Republic and Germany.



The EDC will be given a high degree of autonomy to develop its own innovative designs and solutions specifically for the European market.

## Environmental leadership

Daikin is committed to providing homes, businesses and industry with the most efficient and safest solutions to meet all your cooling and heating needs, today and in the future.

We are keenly aware of our responsibility to protect the environment in everything we do, and all our policies, practices and processes are developed and implemented with environmental sustainability at their heart.



## Contents

Editorial	2
History & Future	6
Facts & Figures	12
Daikin Global Presence	14
Daikin In Europe And Beyond	16
Corporate Social Responsibility	18
Product Range	20
Residential	22
Commercial	23
Industrial	24
Environment	26

# History and future

## Milestones of Daikin's History (1924 - 2015)

### A future with a past

We are proud to have been a part of major developments that have revolutionised the industry and continue to determine the course of progress. Daikin is able to look back on a history of innovation: from the first packaged air conditioners and heat pumps in the 1950s, to the first multi-split systems in the 1960s, to the introduction of VRV in 1982 and its continued development since. We have also been at the forefront of ultra-efficient inverter technology as well as the development of safer refrigerants.

Using our core technologies as basis, we are able to produce innovative and energy-saving solutions for a range of markets and applications. Our latest innovation, Daikin Altherma, represents a real breakthrough in the heating market, and puts us on the world map of energy-efficient heat pump based heating systems.

This indisputably rich culture of innovation together with a worldwide organisation second to none, give credence to our ambition to being number one in the world in total comfort solutions.

### Pioneering products and industry awards ...

Already in the early days of the industry, Daikin was responsible for pioneering innovations such as Japan's first rotary compressor and Japan's first packaged heat pump. In the 1960s we came out with the first multi split unit and we revolutionised the industry in 1982 with an industry first: the introduction of Variable Refrigerant Technology (**VRV**), a technology that continues to be the basis for ongoing innovation in the comfort sector.

Our top of line residential unit, **Daikin Emura**, is an all-in-one comfort system that packages energy efficiency and user-friendly operation in an elegant design. Beneath the subtle yet sleek design lies advanced Daikin technology: a residential split heat pump system that heats, cools, ventilates and dehumidifies.

Thus it is no surprise that Daikin Emura won a number of awards: iF product design award, Good Design award, Designpreis Deutschland 2011, reddot design award (honourable mention 2010).



reddot design award  
honourable mention 2010



GOOD  
DESIGN



Designpreis  
Deutschland  
2011  
NOMINEE



iF  
product  
design  
award  
2010



## ... on the back of technological innovation

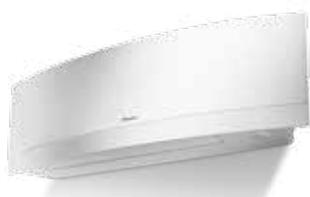
Developed by Daikin Europe N.V. specifically for the European market, **Daikin Altherma** places our long history of more than 50 years of experience perfecting heat pump technology at the forefront of the search for more efficient and more environmentally conscious home heating. It is quite simply the most energy efficient home heating solution on the market today.

**Conveni-pack** is another unique product that integrates many Daikin technologies such as VRV, inverter control and heat recovery into a total heating, cooling and refrigeration solution for convenience stores.

Refrigerants are the chemicals at the heart of any heat pump system. Using refrigerants with both lower direct CO<sub>2</sub> emissions has therefore long been a key part of Daikin's commitment to the environment. And with the **Ururu Sarara**, we took another step forward - with Difluoromethane, or R-32. A next generation refrigerant that offers a 68% smaller global warming potential than R-410A refrigerant. What's more, R-32 allows the unit to work more efficiently and, as a single component refrigerant, is easily recyclable.



VRV IV



Daikin Emura



Daikin Altherma



Conveni-pack



1933

Research on fluorine refrigerants



1967

Daikin opens a co-ordination centre in Malta to ensure speedier and more reliable product delivery throughout its burgeoning European distribution network.



1973

Increasing demand for air conditioning equipment in the growing European market leads to the establishment of Daikin Europe N.V., including a fully equipped, 8,000m<sup>2</sup> production, administrative and warehousing complex in Ostend, Belgium.

1951

First Japanese rotary compressor developed



1936

Mifujirator used as Japan's first air conditioner for trains

1992

Daikin Airconditioning France SAS became the first affiliate and during the following years, Daikin Europe N.V. acquired many of its distributors, in order to build a powerful sales network.

1924 1933 1936 1951 1957 1958 1967 1969 1973 1982 1992

1924

Daikin Industries Ltd is established in Japan by Mr Akira Yamada to manufacture air movement equipment. Close attention to product quality, coupled with advanced production techniques, soon leads to soaring sales figures. The '30s are witness to Daikin's expansion into comfort cooling and refrigeration, and the successful development of its first refrigerant chemicals.

1951

Daikin becomes the first Japanese manufacturer to mass-produce self-contained and packaged air conditioning equipment.

1969

First Multi-Split is developed



1982

The advanced technology Daikin VRV (variable refrigerant volume) multi indoor unit air conditioning system is launched on the Japanese market.

1958

The introduction on an international scale of the company's first heat pump air conditioner – the culmination of many years of intensive research and development.



In the same year, Daikin Air Conditioning Belgium NV is established. This was the start of an expansion process that transformed Daikin Europe N.V. over the years into a multinational group.



## Daikin Acquisitions in Europe

- > 1982 Daikin A/C Belgium
- > 1992 Daikin Airconditioning France SAS
- > 1998 Daikin Germany GmbH
- > 1999 Daikin Central Europe HandelsgmbH
- > 2000 Daikin Airconditioning Spain S.A.
- > 2001 Daikin Airconditioning Poland Sp. z o.o.
- > 2002 Daikin Airconditioning Italy SpA
- > 2004 Daikin Airconditioning UK Ltd.
- > 2004 Daikin Airconditioning Portugal Distribuição Equipamento Termico SA
- > 2006 Daikin Airconditioning Greece S.A.
- > 2006 Daikin Airconditioning South Africa (PTY) Ltd.
- > 2007 Daikin McQuay Middle East FZE
- > 2008 Daikin Sweden AB
- > 2008 Rotex Heating Systems GmbH
- > 2011 Daikin Turkey AS

1994

Award



Daikin Europe N.V. is awarded the ISO9001 quality-assurance certificate.

2006

- > Daikin Device Czech Rep. (DDCZ) Compressor Factory
- > OYL Acquisition



2011

- > EMEA Development Center

2007

MC707VM (air purifier) is approved by TÜV and BAF for allergy sufferers

2012

VRV IV launch



- > Goodman acquisition

1994 2003 2006 2007 2008 2009 2010 2011 2012 2013

2003

- > Daikin Industries Czech Rep. (DICZ) opens
- > VRV II released

2008

Rotex Acquisition

2010

Launch of Daikin Emura



2013

Daikin launches first air to air heat pump Ururu Sarara with R-32



2009

Daikin is the first manufacturer to receive the Eco-label for heat pumps



BE/31/001

# Milestones of Daikin's History (1924 - 2015)



## Daikin:

### Succeeding in an era of change

We are living in an era of radical change. Growth is shifting to the emerging markets. Dwindling natural resources make it harder to meet growing global demand, with clear signs that our environment is under pressure. Customers too are becoming more demanding, with a focus on solutions tailored to their specific needs. And of course, digital communications continue to provide for possibilities, but also to raise the bar with respect to timely access to accurate information. In this changing environment, Daikin intends to adapt and thrive via the pursuit of global excellence based on the following growth and management themes.



# Shaping our future

## Growth:

### turning change into opportunity with innovation

Growth in the coming years will clearly be in the emerging markets, and Daikin is giving top priority to rapidly launching its business in India and Brazil, and to accelerating the pace of growth in next-generation emerging markets such as Russia/CIS, Turkey, the Middle East, and Indonesia.

Daikin will achieve this growth by developing clear and targeted solutions for the markets it enters. We are improving and expanding our after-sales service business, while expanding equipment sales for individual applications in Japan, the United States, Europe, and China. Our solutions business will be developed by narrowing down products, proposal content, and target customers according to the market maturity of each region.

Daikin aims to be a leader in environmental management through the consistent development of products and technologies that give society the innovative sustainable solutions it requires. This includes developing our heating and filter businesses into major businesses at global scale, and creating new environment-related businesses based on opportunities presented by environmental regulations in the countries we serve.

Finally, business development will be accelerated in top priority markets – including the emerging markets – and synergies created by acquiring peripheral technologies via alliances, partnerships, and mergers & acquisitions that increase our corporate value.

Optimised management to maintain the highest levels of quality and customer satisfaction. In the pursuit of global growth with products that meet customer needs around the world, Daikin will ensure quality standards that earn customer trust and attain the highest levels of customer satisfaction. It will do this via optimised development, production, procurement and quality control. In this, Daikin will build on an existing Daikin strength: a flexible global supply system with an optimum balance of centralised and localised production.

This growth will be fed by global marketing research that is developed quickly to allow Daikin to design and execute strategies that are ahead of its competitors, including the entering of new markets and the creation of new products and businesses.

To take advantage of the digital possibilities in this new era, Daikin will fundamentally enhance and innovate its IT systems group-wide to facilitate a rapid response to change and to further management globalisation.

# Facts & figures

## Our Core Business

### Heat Pumps & Air Conditioners

Since Daikin Industries Ltd. began producing heat pumps and air conditioners in the 1950's, our climate control solutions have grown to include commercial, industrial and domestic applications, including ultra-efficient residential heating systems.

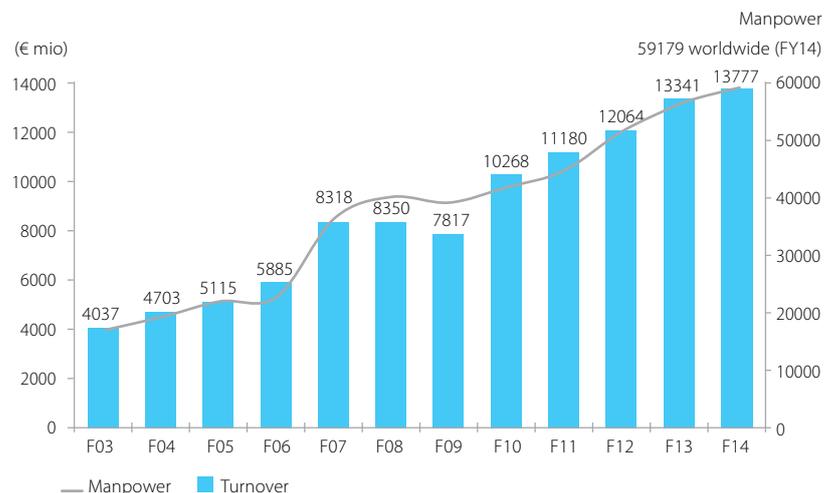
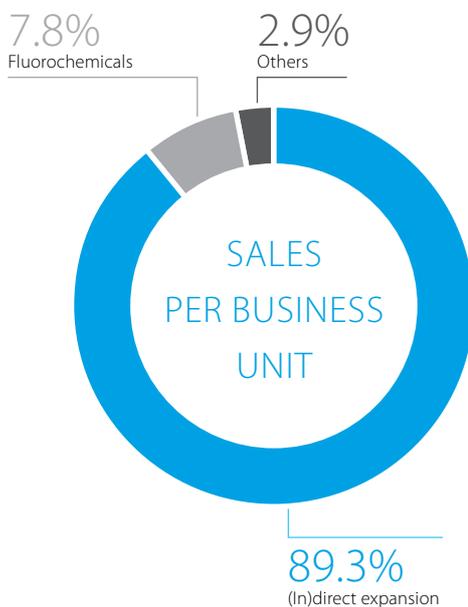
Daikin does it all. We are the only air conditioning manufacturer to also produce refrigerants and compressors - the lifeblood and heart of every air conditioning and heat pump system - allowing us to ensure the highest possible quality of the total solution. We are also proud to be at the forefront of efforts to produce safer and less harmful refrigerants. In addition to our core business, Daikin also produces fluorocoating materials (protective films for solar panels, Zeffle, Teflon...), oil hydraulics equipment (pumps, motors, valves...) electronic systems (CAD-CAM and computer graphics systems...)

## Turnover & manpower

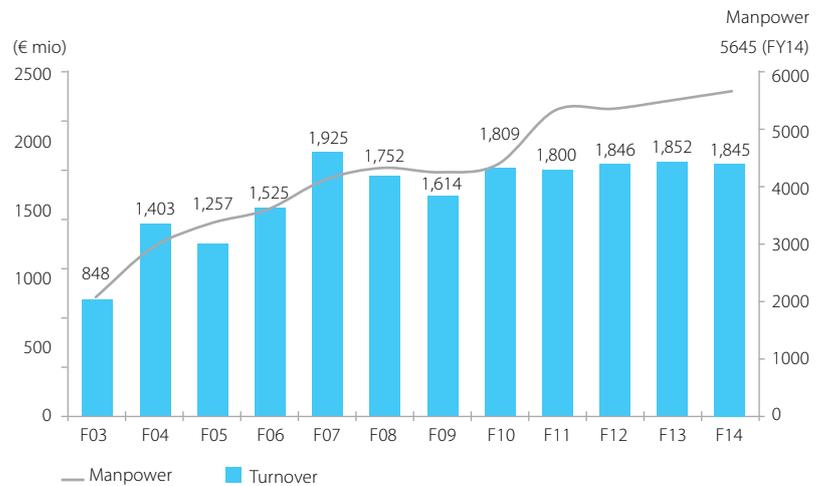
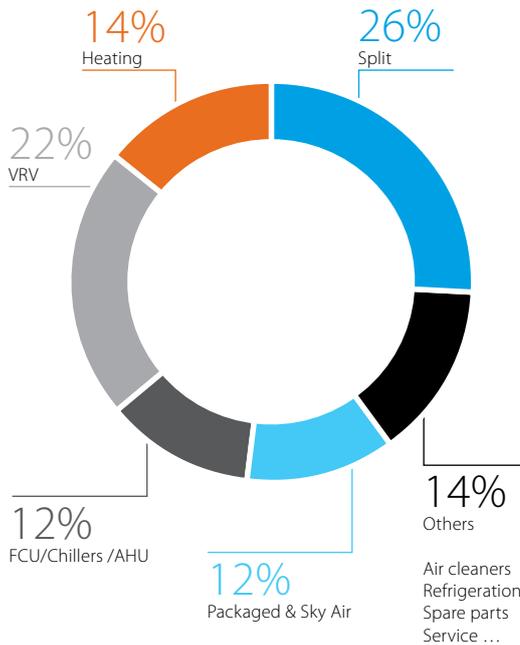
Daikin Europe N.V. is a part of Daikin Industries Ltd. Turnover and employment have consistently risen over years to meet the growing demand for Daikin products worldwide, as reflected in the most recent Daikin Industries Ltd. and Daikin Europe N.V. figures:

FY2014	Daikin Industries Ltd.	Daikin Europe N.V.
Turnover	13.777 billion euro	1.845,27 billion euro
Manpower	59,179	5,645

## Daikin Industries Ltd. (FY14)



## Daikin Europe N.V. (FY14)



## Daikin Europe N.V. Product Range

Daikin offers a broad range of products and solutions for industrial, commercial and residential use. Our product line is structured around four major pillars: heating, air conditioning, applied systems, and refrigeration.

### Extracting nature's heat from the air

The Daikin Altherma air-to-water heat pump system offers an improvement over traditional systems with respect to energy efficiency and CO<sub>2</sub> emissions, while providing comfortable heating even in the heart of winter. A small installation footprint and compatibility with existing systems and solar cells make the package a very attractive alternative for new constructions as well as for renovations.

### The most efficient comfort cooling systems on the market

Heat pumps have an inherent advantage when it comes to energy consumption. When combined with other Daikin technologies such as inverter control (dynamically adjusting compressor speed to match building demand), VRV (variable refrigerant volume) and heat recovery, they are one of the most promising forms of home comfort for the future.

## Largest chiller range in the industry

Daikin applied systems have proven both flexible and reliable in providing chilled or heating water for applications as varied as fish farming, wine processing, agriculture, pharmaceuticals, food production, as well as comfort cooling in event halls, large apartment blocks, hotels and offices. We offer the most complete range of applied systems in the industry: from 2 MW systems down to a chiller suitable for residential needs.

## Total refrigeration solutions for business

In addition to traditional applications such as marine container refrigeration, Daikin also offers total solutions for specific sectors, such as Conveni-pack for the food retail business: an award-winning, remarkable blend of VRV, inverter control, heat recovery and fan technology that offers optimum efficiency, installation ease and noise control. Conveni-pack provides efficiency increases of up to 60% during winter months and 20% during the summer months, with yearly average savings of up to 50% depending on regional climate.

# Daikin's Global Manufacturing Presence

## Daikin leads the way

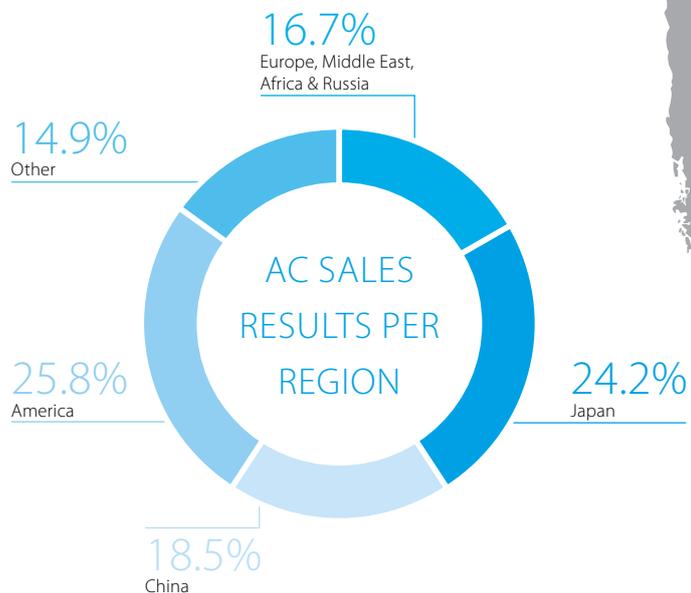
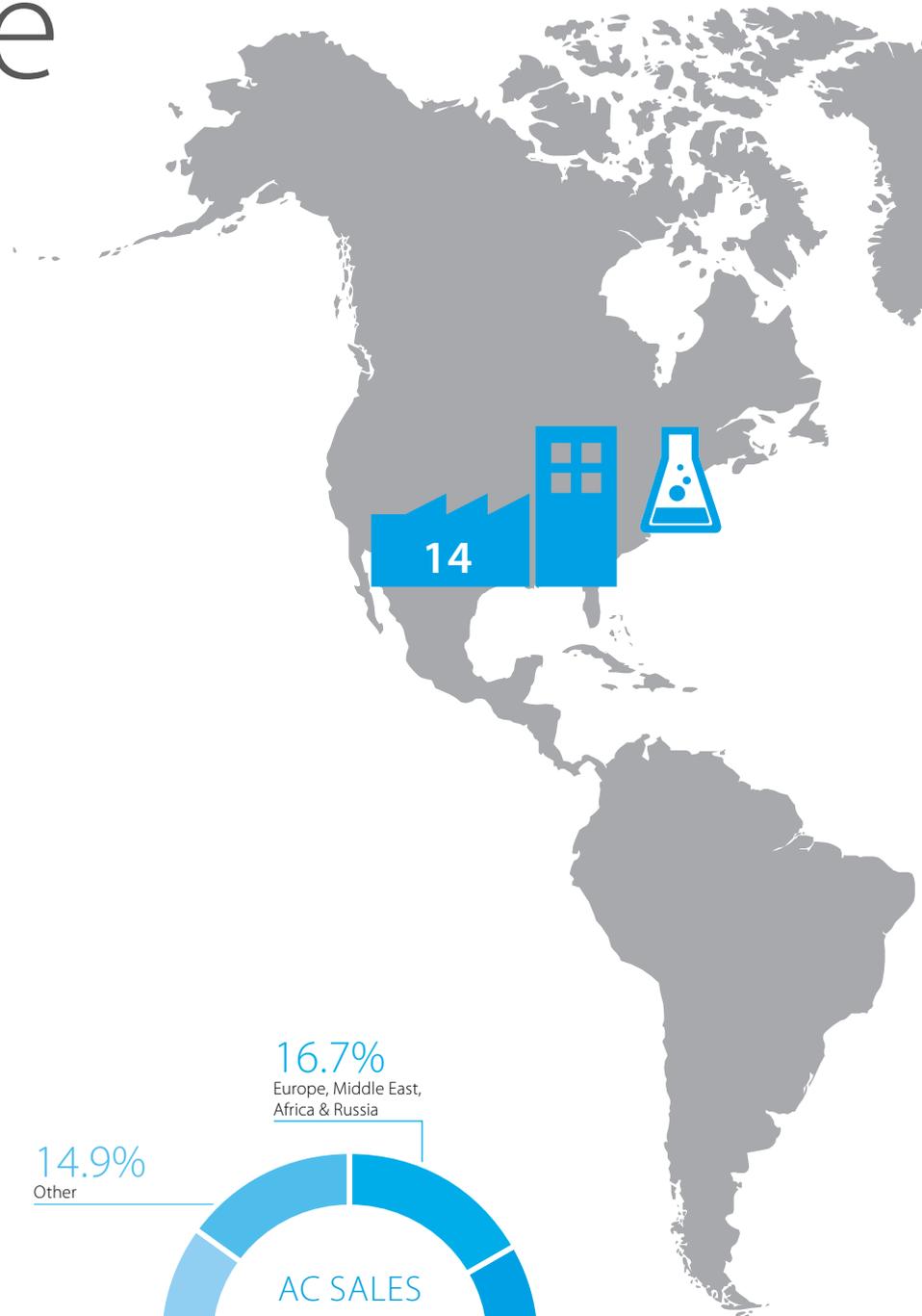
Since its entry in the air conditioning equipment market in the 1950's, Daikin has grown into a global player in the residential, commercial and industrial market.

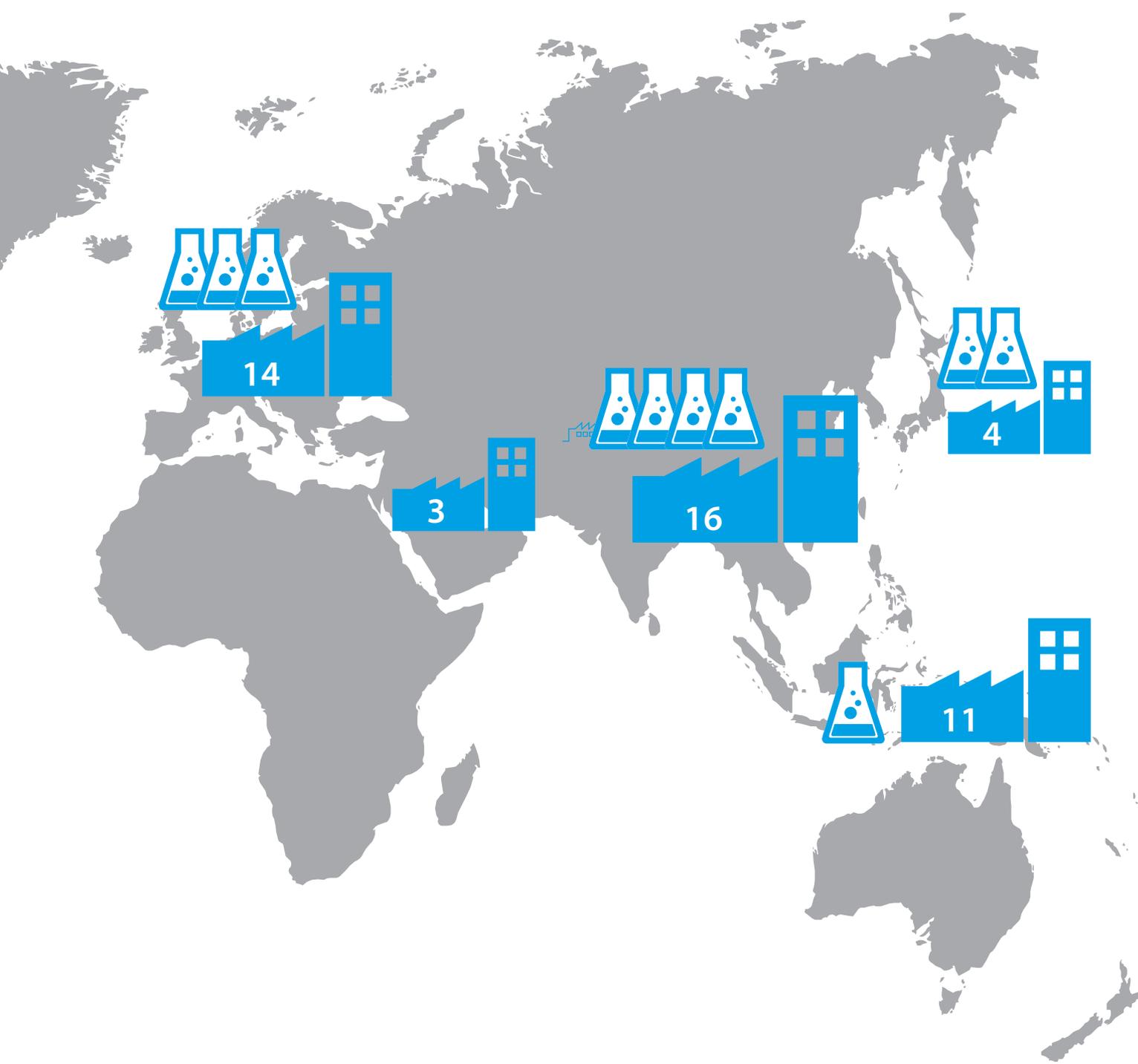
Parent company Daikin Industries Ltd. is actively engaged in a wide spectrum of technologies and disciplines: from mechanics and electronics to chemicals and fluorocarbons. Its Japan operations include major manufacturing locations and a R&D Centre focused on the creation of next-generation climate control technologies.

In 1973, parent company Daikin Industries Ltd. formed Daikin Europe N.V. in Ostend to tailor and market Daikin products to the specific needs and requirements of Europe, the Middle East, Russia and Africa.

In addition to expanding its product offerings, the acquisition of Goodman and OYL (home to such names as McQuay, J&E Hall, AAF) gave Daikin a significant presence in the North American and Asian markets.

In 2011, Daikin Europe N.V. acquired Airfel, which is active in the production and distribution of heating, air conditioning and ventilation products, primarily in the Turkish market. This acquisition strengthens Daikin's sales network in the Turkish market and extends its product offerings in the EMEA markets.





Production facilities air conditioning



Production facilities chemicals

# Daikin's production in Europe

In addition to housing the European production and administration headquarters, Daikin Europe N.V. is home to the EMEA sales and marketing headquarters.

European production facilities in Pilsen and Brno (Czech Republic), as well as Cecchina and Milan (Italy), Cramlington (UK) and Hendek (Turkey) have added to capacity and optimised lead times to all markets.

With the acquisition of German heating manufacturer Rotex GmbH, Daikin Europe N.V. has strengthened its offerings and expanded its market presence in the heating market.



Production Facilities  
(Heating, Air conditioning, Applied systems, Refrigeration)



## Daikin Europe N.V.

Factory surface 26,000m<sup>2</sup>  
Production start 1973  
Product range Daikin Altherma, sky air, VRV, chillers



## Rotex heating systems GmbH

Factory surface 14,970m<sup>2</sup>  
Production start 1973  
Product range heating equipment



## McQuay Cramlington

Factory surface 14,214m<sup>2</sup>  
Production start 1966  
Product range Air handling units



## Daikin Industries Czech Republic

Factory surface 29,684m<sup>2</sup>  
Production start 2004  
Product range split



## Daikin Applied Europe - Milan

Factory surface 6,450m<sup>2</sup>  
Production start 2008  
Product range Air handling units



## Daikin Device Czech Republic

Factory surface 13,690m<sup>2</sup>  
Production start 2006  
Product range compressors, Daikin Altherma, sky air



## Daikin Applied Europe - Cecchina

Factory surface 21,000m<sup>2</sup>  
Production start 1969  
Product range chillers + compressors



## Daikin TURKEY AS

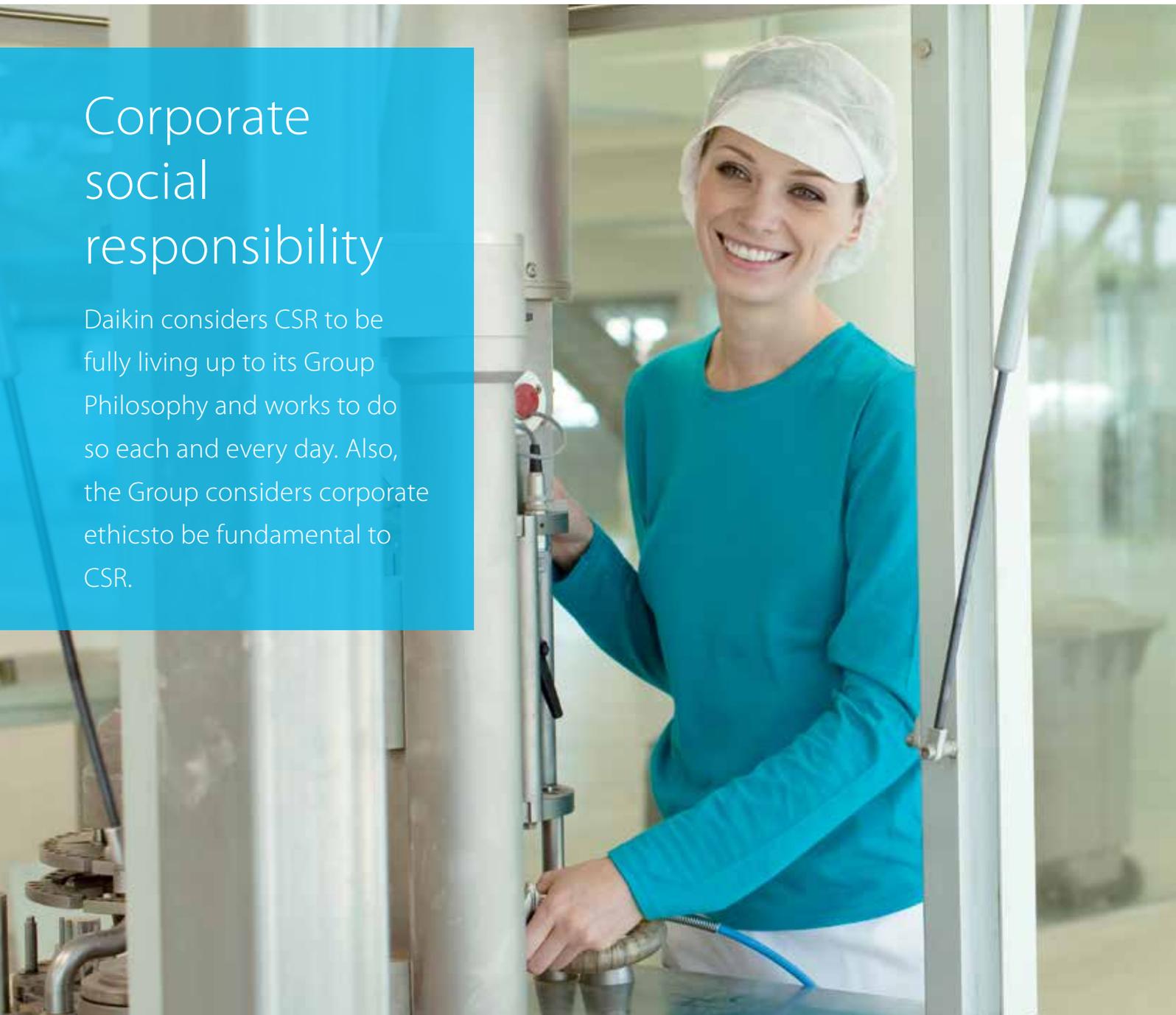
Factory surface 42,000m<sup>2</sup>  
Production start 1999  
Product range split fan coil units, boilers, radiators, air handling units

Other European production facilities include J&E Hall, AAF, Refrigerant production



# Corporate social responsibility

Daikin considers CSR to be fully living up to its Group Philosophy and works to do so each and every day. Also, the Group considers corporate ethics to be fundamental to CSR.





# Our Core Values

Absolute Credibility

Enterprising Management

Harmonious Personal Relations



## Responsibility to Environment

We are committed to meeting the challenges of global warming and the need for sustainable resource use. This includes bringing to market the most efficient technologies such as heat pumps and reducing to a minimum the environmental impact of our production facilities and logistics chain. Our environmental goals are contained in ISO14001 certified environmental management systems throughout our organisation, as well as in strategic documents such as our CEO Environmental Statement.

## Corporate ethics

We intend to grow and prosper together with our various stakeholders:

- › Our customers: by providing safe, high quality products and services that respect the environment and anticipate future needs.
- › Our employees: by providing equal opportunity and rewards regardless of age, gender, nationality, and cultivating a safe and constructive working environment where employees can develop and grow.
- › Our investors: by being a transparent and well managed company that increases its value in a sustainable way.
- › The communities and society in which we conduct our business: by being a good neighbour, and sponsoring sporting and cultural events that contribute to the well-being of all, for example our donation to the Centre for Basic Education\*.

# Award winning product range

For more than 80 years, Daikin has been present in all market segments with innovative, energy-efficient and pioneering climate control products tailored to our customers' needs. From residential applications for homes, offices or shops to small and larger commercial applications for hotels, restaurants, apartments and industrial use. We recently entered the heating market with our innovative air-to-water heat pump system, Daikin Altherma, underscoring our ambition to also become a world player in this sector. We have also expanded our applied systems range thanks to the acquisition of OYL.

Thus we have become a total solutions provider with products matched to every requirement and budget. Our concern for care and quality extends throughout all four pillars of our business: **heating, air conditioning, applied systems and refrigeration**. Our flagship products include **Daikin Emura** and **Nexura** – all-in-one comfort systems that package energy efficiency and user-friendly operation in an elegant design – our revolutionary **VRV systems** for large commercial buildings, our energy-efficient heating system, Daikin Altherma, and Conveni-pack, a unique total solution for the food retail market. We also market a full range of chillers for industrial applications as well as the world's first **residential chiller**.



**Our product portfolio is renowned for world-class innovation and reliability. This market leadership has been recognised by a series of awards and commendations**

#### Daikin Emura

2010 iF Product design award  
2010 Good design award

#### Daikin Emura II

2014 Red dot award

#### Ururu Sarara

2013 Red dot award

#### Fully flat cassette

2014 Universal design award

#### VRV IV (heat pump)

2013 Plus X Award for Innovation, High Quality, Functionality and Ecology

More awards can be found on our website and the website of our affiliates.

Heating



Applied systems





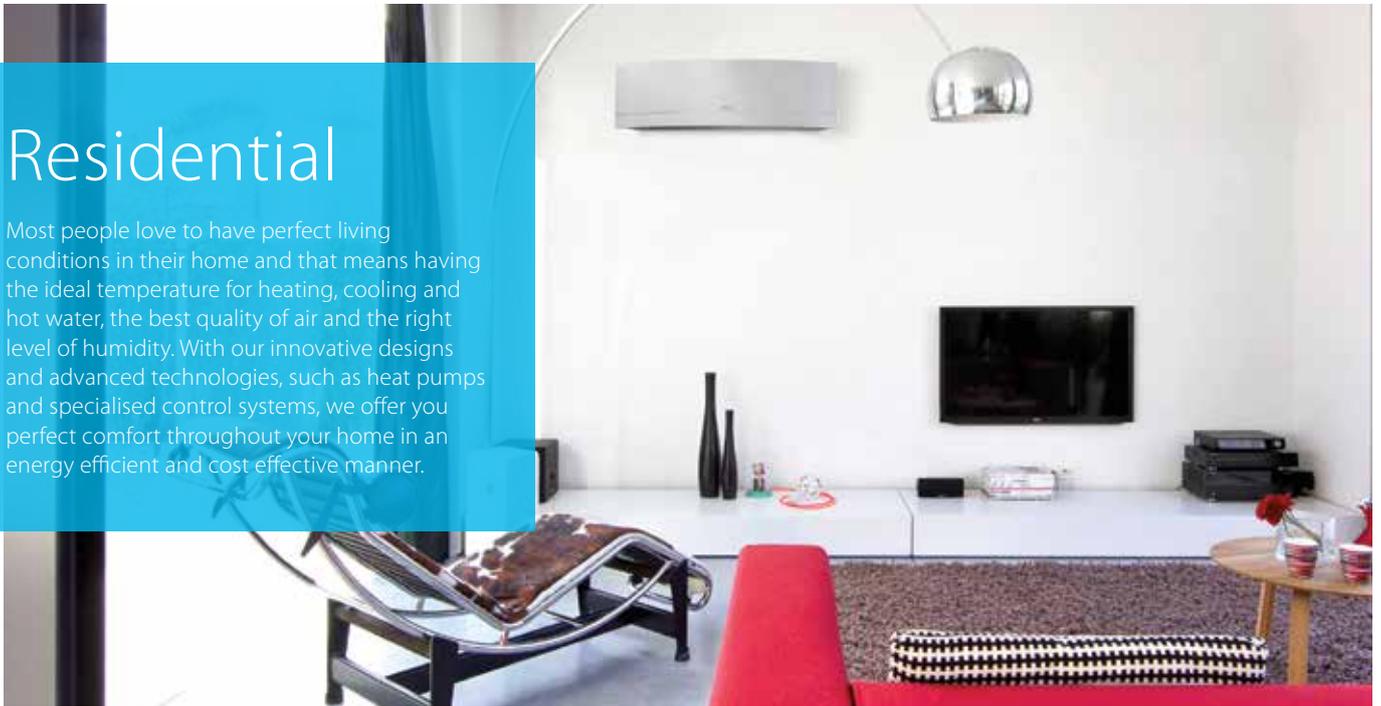
Air Conditioning



Refrigeration

# Residential

Most people love to have perfect living conditions in their home and that means having the ideal temperature for heating, cooling and hot water, the best quality of air and the right level of humidity. With our innovative designs and advanced technologies, such as heat pumps and specialised control systems, we offer you perfect comfort throughout your home in an energy efficient and cost effective manner.



heating only
 heating & cooling
 heat recovery

## Condensing boilers

### Gas condensing boiler



6.1 kW ~ 31.5 kW

## Hybrid



4.4 kW ~ 7.4 kW\* /  
 5 kW ~ 6.86 kW\*  
 \* preliminary data

## Heat pumps

### Air to water

#### High temperature SPLIT



11.00 kW ~ 16.00 kW

#### Low temperature SPLIT



4.4 kW ~ 16.1 kW  
 5 kW ~ 13.12 kW

#### MONOBLOC



11.2 kW ~ 16.0 kW  
 6.00 kW ~ 16.00 kW  
 7.00 kW ~ 16.73 kW

### Air to air

#### SPLIT INDOOR UNITS



##### Wall mounted unit

1.7 kW ~ 11.20 kW /  
 1.5 kW ~ 10.00 kW



##### Concealed ceiling unit

3.2 ~ 7.0 kW / 2.4 ~ 6.0 kW



##### Floor standing units

3.4 kW ~ 5.8 kW / 2.5-5 kW

#### OUTDOOR UNITS



2.00 kW ~ 7.10 kW /  
 2.7 kW ~ 8.2 kW

### Ground to water



3.11 kW ~ 11.9 kW

← COMBUSTION

## Heating systems

RENEWABLE →

## Air purifiers



## Extra comfort



### Domestic hot water tank

150l - 500l



### Solar collector

1.3l - 2.1l



### Heat pump convector

1.5 kW ~ 2.0 kW / 1.2 kW ~ 1.7 kW

# Commercial

The perfect working environment is essential for all businesses. From supermarkets to offices, from public buildings to hotels, from restaurants to shops it is essential that the quality of the air is optimised at all times – but no space is used in exactly the same way and that calls for flexible, tailored and economic solutions. Daikin, the innovation leader for more than half a century, understands this and our 'total solution' concept is built around customised solutions for individual clients. Whether air conditioning, heating, ventilation, air curtains or refrigeration, Daikin has the units, the experience and the solution for you.

- Seasonal efficiency Smart use of energy
- replacement technology
- heating only
- heating & cooling
- heat recovery
- auto cleaning panel
- floor & presence sensor
- radiant heat panel

## SkyAir - VRV

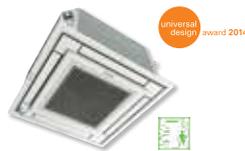
### INDOOR UNITS



**Wall mounted unit**  
 1.7 kW ~ 11.20 kW /  
 1.5 kW ~ 10.00 kW



**Round flow cassette**  
 2.50 kW ~ 16.00 kW /  
 2.20 kW ~ 14.00 kW



**Fully flat cassette**  
 1.9 kW ~ 7.0 kW /  
 1.7 kW ~ 5.7 kW



**2-way blow ceiling mounted cassette**  
 2.50 kW ~ 8.00 kW /  
 2.30 kW ~ 7.1 kW



**Ceiling mounted corner cassette**  
 2.50 kW ~ 8.00 kW /  
 2.30 kW ~ 7.1 kW



**Concealed ceiling unit**  
 1.7 kW ~ 31.50 kW /  
 1.5 kW ~ 28.00 kW



**Ceiling suspended unit**  
 4.00 kW ~ 15.50 kW /  
 3.40 kW ~ 13.40 kW



**4-Way blow ceiling suspended cassette**  
 7.50 kW ~ 13.50 kW /  
 6.80 kW ~ 12.00 kW



**Flexi type unit**  
 3.40 kW ~ 6.10 kW /  
 2.50 kW ~ 4.90 kW



**Floor standing unit with radiant heat panel**  
 3.40 kW ~ 5.80 kW /  
 2.50 kW ~ 5.00 kW



**(Concealed) Floor standing unit**  
 2.50 kW ~ 8.00 kW /  
 2.20 kW ~ 7.10 kW



**Free-Hanging/Cassette/Recessed**  
 7.3 kW ~ 31.1 kW

### BIDDLE AIR CURTAIN

### HOT WATER



**Hydrobox for connection to VRV**  
 14 kW  
 9.00 kW ~ 14.00 kW /  
 8.0 kW ~ 12.5 kW

### OUTDOOR UNITS

available in heating & cooling, heating only (VRV only) and heat recovery (VRV only)

#### SkyAir



**Air to air**  
 7.5 kW ~ 15.5 kW /  
 6.8 kW ~ 13.4 kW

#### VRV III-S



**Air to air**  
 14.2 kW ~ 18.0 kW /  
 12.6 kW ~ 15.5 kW

#### VRV IV



**Air to air**  
 25.0 kW ~ 168.00 kW /  
 22.4 kW ~ 150.00 kW

#### VRV IV W-series



**Water to air**  
 25.0 kW ~ 94.5 kW /  
 22.4 kW ~ 80.1 kW



**Air to air**  
 24.91 kW ~ 69.61 kW /  
 37.34 kW ~ 72.60 kW

### Rooftops

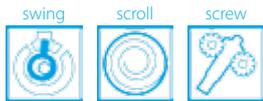
# Industrial

Daikin has a wide range of solutions for many industrial environments, from cold rooms to cold storage warehouses with the refrigeration solutions as ZEAS. Process cooling and process heating applications require high temperature control, which can be reached with our complete chiller range. Next to cooling and refrigeration, industrial applications require optimised air control and ventilation with our air handling units.



 heating only
  heating & cooling
  cooling only

## Air cooled chillers



### COOLING ONLY



 5.2 kW ~ 2,008 kW

### HEAT PUMP



 5.65 kW ~ 674 kW /  
5.2 kW ~ 624 kW

### CONDENSING UNIT



 116 kW ~ 488 kW

## Water cooled chillers



### COOLING ONLY



 316 kW ~ 21,800 kW

### COOLING ONLY & HEATING ONLY



 16.7 kW ~ 1,951 kW  
 12.9 kW ~ 1,503 kW

### CONDENSERLESS CHILLERS



 12.1 kW ~ 1,433 kW

## Fan coil units



**Ceiling mounted**  
2.9 kW ~ 12.1 kW /  
2.0 kW ~ 8.7 kW



**Wall mounted unit**  
3.22 kW ~ 7.33 kW /  
2.43 kW ~ 5.28 kW



**Floor standing unit**  
2.9 kW ~ 12.1 kW /  
2.0 kW ~ 8.7 kW



**Flexi type unit**  
1.90 kW ~ 21.92 kW /  
1.14 kW ~ 18.30 kW



**Ducted unit**  
1.94 kW ~ 18.78 kW /  
1.28 kW ~ 10.34 kW

## Ventilation



**Heat reclaim ventilation**  
150m<sup>3</sup>/h ~ 2,000m<sup>3</sup>/h



**Air handling units for connection to ERQ, VRF, Chillers**  
500m<sup>3</sup>/h ~ 144,000m<sup>3</sup>/h

## Refrigeration

### COMMERCIAL CONDENSING UNITS



**Medium temperature :**  
0.9 ~ 13.5 kW\* (reciprocating)  
3.4 ~ 14.2 kW\* (scroll)      \*at -10/+32°C  
**Low temperature :**  
0.4 ~ 5.8 kW\* (reciprocating)  
1.3 ~ 5.9 kW\* (scroll)      \*at -30/+32°C

### ZEAS CONDENSING UNITS



**Medium temperature :**  
12.5 ~ 75.8 kW at -10/+32°C  
**Low temperature :**  
5.5 ~ 29.6 kW at -35/+32°C

### INDUSTRIAL CONDENSING UNITS



**Medium temperature:**  
113 ~ 417 kW at -10/+32°C  
**Low temperature:**  
37 ~ 159 kW at -35/+32°C

### CONVENI-PACK



**Refrigerating cap. :** 21.8 kW\*  
**Cooling cap. :** 14.0 kW\*  
**Heating cap. :** 27.0 kW\*  
\*at -10/+32°C

## Marine types



#### Deck units

106 kW ~ 212 kW /  
 78 kW ~ 150 kW

#### Gallery series

13 kW ~ 32 kW

#### Packaged series

8.7kW ~ 60kW

#### Small size condensing series

1.5 kW ~ 11 kW

Daikin has been a pioneer in designing state of the art air conditioning technology since the industry's birth. Over the years, we have gained tremendous experience in the technologies central to climate control, notably heat pumps, inverters and refrigerants. In fact, we are the only manufacturer to have mastered all of these technologies in house. These same technologies are now finding much wider application in integrated total comfort and industrial solutions that are more energy efficient and reduce harmful emissions. Daikin Europe N.V. has been at the forefront of this trend toward wider application and integration, as reflected in the four pillars of our business: heating, air conditioning, applied systems and refrigeration.



environment

# Innovator in energy efficiency and reduced emissions

## Integrating technologies

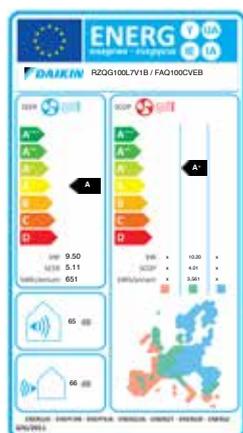
Heat pumps, the heart of air conditioning technology, have an inherent advantage when it comes to energy consumption. They extract energy from the ambient air, thereby reducing the primary fuel consumption (electricity) needed to cool and heat. We combine this core technology with other Daikin innovations such as inverter control (dynamically adjusting compressor speed in function of actual system demand), VRV (variable refrigerant volume) and heat recovery to create the most efficient home comfort and industrial climate control solutions on the market.

## Designing for the future

All products are designed with the environment in mind: the safest possible materials are used, and the safe handling of critical components such as refrigerants is built into our systems and procedures. Proper recovery or recycling of all components at end of life is designed in from the beginning. Moreover, Daikin is continuously engaged in the search for ever-safer refrigerants.

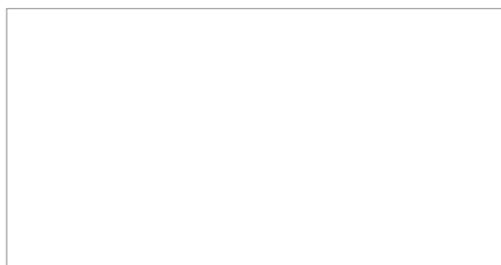
Over the years we have been concerned about letting our clients know the true seasonal energy efficiency of our products. The introduction of seasonal performance ensures better understanding of the energy usage of all air conditioning systems. We have been designing and engineering our equipment to achieve market leading SEERs and SCOPs and thus contributing to a reduction of energy used.

Daikin is keenly aware of its responsibility to the environment and is firmly committed to providing homes, businesses and industry with the most efficient and safest products to meet their cooling and heating needs, today and in the future.





**Daikin Europe N.V.** Naamloze Vennoetschap Zandvoordestraat 300 · 8400 Oostende · Belgium · [www.daikin.eu](http://www.daikin.eu) · BE 0412 120 336 · RPR Oostende (Responsible Editor)



ECPEN15 - 600A 250 · 01/15



Daikin Europe N.V. participates in the Eurovent Certification programme for 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)

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V.

The present publication supersedes ECPEN14-600. Printed on non-chlorinated paper.