



Product Portfolio 2013



RESIDENTIAL
COMMERCIAL
INDUSTRIAL
SOLUTIONS



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

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

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





Completing the picture is a new energy label for EU. The present label, introduced in 1992 and modified in the meantime, allows consumers to compare and make purchasing decisions based on uniform labelling criteria. The new label includes multiple classifications from A+++ to G reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the new label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels. It will allow end-users to make even better informed choices, since seasonal efficiency reflects air conditioner or heat pump efficiency over an entire season.



Daikin's 4 pillars of growth

The leader in product quality

Daikin produces a highly energy efficient and comprehensive range of quality indoor climate control products and systems for commercial, residential and industrial applications. Our product portfolio is based on four distinct core 'pillars' illustrating the diversification of Daikin:

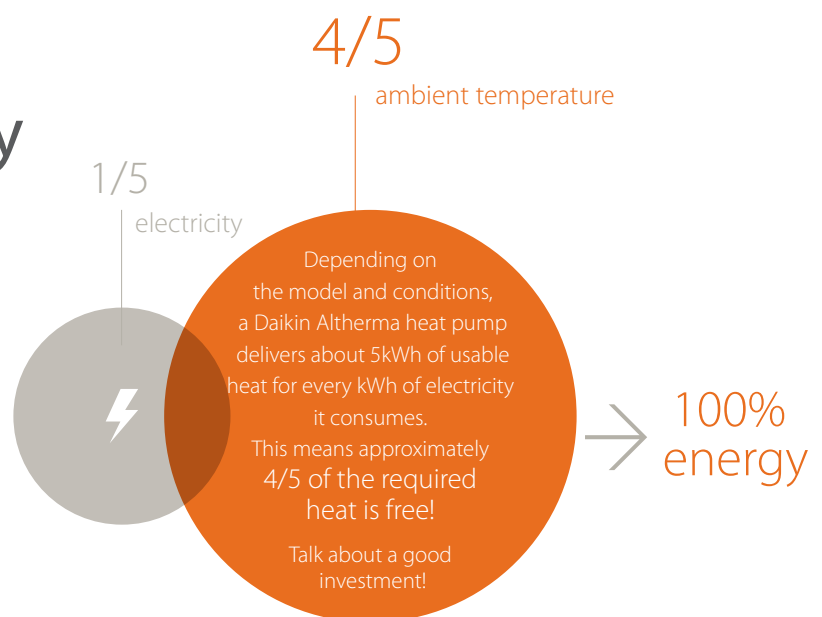
-  **optimised heating solutions:** air to air & air to water heat pumps for residential and commercial applications including domestic hot water.
-  state of the art direct expansion **air conditioning** for residential & commercial application
-  **applied systems** for central cooling and heating for process and comfort application
-  medium to low temperature **refrigeration** for retail environment

Each pillar harnesses advanced technologies to deliver maximum energy efficiency, minimum energy consumption and running costs throughout the equipment life cycle. The width of our product range is also extensive and embracing in its coverage of these key indoor climate control disciplines to a point where we are confident of its ability to meet the requirements of our end user, specifier, contractor and installer customer base at all times.

We combine this core technology with other Daikin innovations such as inverter control to create the most efficient home comfort and industrial climate control solutions on the market

Daikin heat pumps: combining efficiency and total comfort

Heat pumps, providing us all-in-one heating solutions in winter and cooling solutions in summer, have an inherent advantage when it comes to energy consumption. They extract thermal energy from the ambient air (so-called air-to-air or air-to-water heat pumps), thereby reducing drastically electricity consumption compared to fossil fuel based boiler systems.





Example based on Daikin Altherma low temperature split (EHBX04C3V/ERLQ004CV3)



Heating

The natural choice

The Daikin heat pump systems especially designed for heating, extract thermal energy from the ambient air, which make them more energy efficient and emit less CO₂ than comparable fossil fuel based boiler systems.

 heating only
  heating & cooling
  heat recovery

Air to water heat pumps

Daikin altherma low temperature

SPLIT



 4.5 kW ~ 15.7 kW *
 4.5 kW ~ 15.7 kW * /
 5.6 kW ~ 16.76 kW *

* preliminary data

MONOBLOC



 11.2kW-16.0kW
 6.00kW-16.00kW
 7.00kW-16.73kW

Daikin altherma high temperature

SPLIT



 11.00kW ~ 16.00kW

Daikin altherma Flex Type



 22.4kW ~ 44.8kW / 20kW ~ 40kW

Extra comfort



Domestic hot water tank
150l - 500l



Heat pump convector
 1.5kW ~ 2.0kW / 1.2kW ~ 1.7kW



Solar collector
1.7l - 2.1l

Air to air heat pumps

INDOOR UNITS



Wall mounted unit



Floor standing units

 3.4kW-5.8kW / 2.5-5kW

VRV

OUTDOOR UNITS



 25kW ~ 160kW

 31.5kW ~ 63.0kW / 28.0kW ~ 56.0kW



Daikin Split, Sky Air and VRV systems represent the perfect solution for residential and commercial applications. The indoor units come in a wide choice of modern technologically advanced and energy efficient ceiling mounted cassette, concealed ceiling, ceiling suspended, wall mounted and floor standing models. Designed to fit rooms of any size and shape, Daikin indoor units are also user friendly, quiet running, ultra reliable, easy to control and supply users with that relaxing 'extra something' to the indoor climate.

Air Conditioning

shaping air to your needs

Seasonal efficiency, Smart use of energy
 radiant heat
 replacement technology
 heating & cooling
 heating only
 heat recovery

INDOOR UNITS



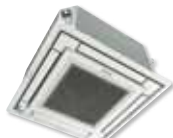
Wall mounted unit

1.7kW~11.20kW /
1.5kW~10.00kW



Round flow ceiling mounted cassette

2.50kW~16.00kW /
2.20kW~14.00kW



Fully flat cassette

1.9kW~7.0kW /
1.7kW~5.7kW



2-way blow ceiling mounted cassette

2.50kW~8.00kW /
2.30kW~7.1kW



Ceiling mounted corner cassette

2.50kW~8.00kW /
2.30kW~7.1kW



Concealed ceiling unit

1.7kW~31.50kW /
1.5kW~28.00kW



Ceiling suspended unit

4.00kW~15.50kW /
3.40kW~13.40kW



4-Way blow ceiling suspended cassette

7.50kW~13.50kW /
6.80kW~12.00kW



Flexi type unit

3.40kW~6.10kW /
2.50kW~4.90kW



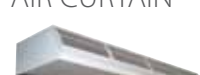
Floor standing unit with radiant heat panel

3.40kW~5.80kW /
2.50kW~5.00kW



(Concealed) Floor standing unit

2.50kW~8.00kW /
2.20kW~7.10kW



Free-Hanging/Cassette/Recessed

7.3kW~31.1kW

BIDDLE AIR CURTAIN

HOT WATER



Hydrobox for connection to VRV

14kW
9.00kW~14.00kW /
8.0kW~12.5kW

OUTDOOR UNITS

Split



Air to air

2.00kW~7.10kW /
2.7kW~8.2kW

SkyAir



Air to air

7.5kW~15.5kW /
6.8kW~13.4kW

VRV



Air to air

14.2kW~168.00kW /
12.6kW~150.00kW
25.0kW~151.0kW /
22.4kW~135.0kW
25.0kW~168.00kW



Water to air

25.0kW~94.5kW /
22.4kW~80.1kW



Air to air

24.91kW~69.61kW
37.34kW~72.60kW

ROOFTOP UNITS

VENTILATION



Heat reclaim ventilation

150m³/h ~ 2,000m³/h



Outdoor air processing unit

1080m³/h ~ 2,100m³/h



Air handling applications

1,000m³/h ~
6,940m³/h

MARINE TYPES



Deck units

106kW~212kW /
78kW~150kW



Packaged series

8.7kW~60kW



Gallery series

13kW~32kW






Small size condensing series

1.5kW~11kW

Applied Systems

Industrial yet personal

Applied systems stand for central cooling and heating, for process and comfort application. Precise climate control is vital for many commercial and large industrial applications. Daikin's applied systems have proven both flexible and reliable in providing chilled or heated water for industrial and process requirements. Also comfort cooling and residential application can be achieved via Daikin chillers.

 heating & cooling
  heating only
  cooling only

SCROLL CHILLERS




Air cooled

 9kW~63.7kW / 8.5kW~64.5kW
 8.6kW~64.5kW
 11.4kW~283kW / 9.1kW~254kW
 11.2kW~672kW



Water cooled

 16.7kW~249kW
 12.9kW~194kW



Condenserless chiller

 12.1kW~62.4kW

SWING CHILLERS




Air cooled

 5.65kW~7.75kW / 5.2kW~7.1kW
 5.2kW~7.1kW

SCREW CHILLERS





Air cooled

 271kW~618kW / 247kW~580kW
 328kW~1,795kW
 98kW~2,008kW



Water cooled

 142kW~1,866kW
 120kW~2,156kW



Condenserless chiller

 109kW~1,416kW



Condensing unit

 116kW~488kW

CENTRIFUGAL CHILLERS



Water cooled

 114kW~9,000kW

FAN COIL UNITS



Round flow cassette

2-pipe 2.14kW~9.5kW / 5.0kW~7.2kW
 4-pipe 6.2kW~8.8kW / 4.9kW~7.2 kW



Wall mounted unit

2-pipe 3.22kW~5.26kW / 2.34kW~5.28kW



Floor standing unit

2-pipe 2.14kW~10.03kW / 1.54kW~8.02kW
 4-pipe 1.90kW~9.30kW / 1.46kW~7.88kW



Flexi type unit

2-pipe 2.14kW~10.03kW / 1.54kW~8.02kW
 4-pipe 1.90kW~8.35 kW / 1.46kW~7.88kW



4-way blow ceiling mounted cassette

2-pipe 2.6kW~5.3 kW / 1.7kW~4.54 kW
 4-pipe 3.1kW~4.8kW / 1.7kW~3.5 kW



Concealed ceiling unit

2-pipe 2.14kW~21.92kW / 1.54kW~18.30kW
 4-pipe 1.90kW~21.15 kW / 1.46kW~18.30kW

AIR HANDLING UNITS



Airflow rates
 500 m³/h ~ 140,000 m³/h



Daikin offers medium to low temperature refrigeration units for commercial, professional and industrial applications. Daikin's refrigeration units combine efficiency and reliability with easy installation and maintenance. With Conveni-pack, Daikin has combined refrigeration, heating and comfort cooling, making it the optimum total system for convenience stores and petrol station operators.

Refrigeration

Cooling down your energy costs

COMMERCIAL CONDENSING UNITS



Medium temperature :
0.9 ~ 13.5kW* (reciprocating)
3.4 ~ 14.2kW* (scroll)
*at -10/+32°C

Low temperature :
0.4 ~ 5.8kW* (reciprocating)
1.3 ~ 5.9kW* (scroll)
*at -30/+32°C

ZEAS CONDENSING UNITS



Medium temperature :
12.5 ~ 37.9kW at -10/+32°C

Low temperature :
5.5 ~ 15.4kW at -35/+32°C

INDUSTRIAL CONDENSING UNITS



Medium temperature :
113 ~ 417kW at -10/+32°C

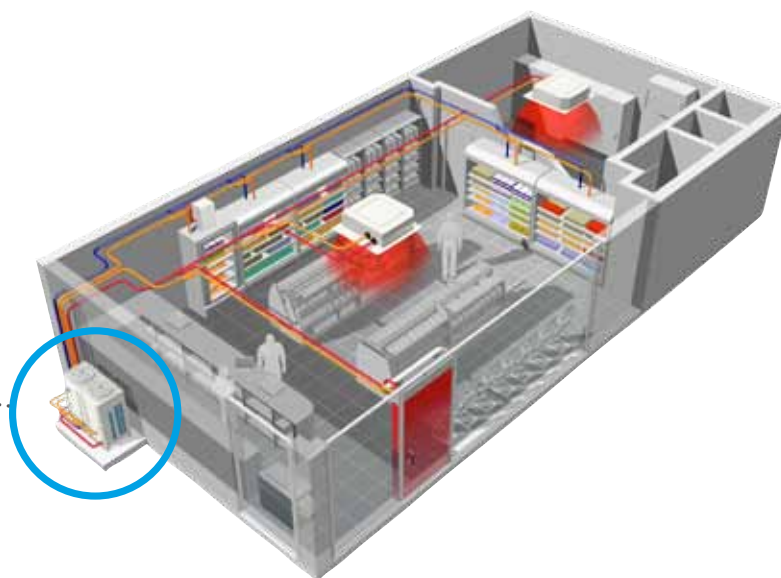
Low temperature :
37 ~ 159kW at -35/+32°C

CONVENI-PACK



Refrigerating cap. : 21.8kW*

Cooling cap. : 14.0kW*
*at -10/+32°C



Air purifiers

Streamer technology air purifier

PURE AIR BECAUSE DAIKIN CARES

Pollen, dust and pet hair are just some of the potential causes of allergies, asthma and respiratory problems. A Daikin air purifier cleans the air and relieves you of these troubles thanks to its new streamer technology.

- > Allergen removal
- > Virus and bacteria removal
- > Odour removal



Ururu air purifier

PURE AND HUMIDIFIED AIR ALL DAY LONG

There are many substances in the air you breathe such as allergen, bacteria, virus and tobacco smoke, which causes your health to suffer. Above all things, dryness is especially a big issue during the wintertime.

Daikin Ururu Air Purifier moisturizes the air inside your home and relieves the effects of dry air. Just fill the 4L tank occasionally and it will humidify your room with a maximum volume of 600ml/h.

- > Humidification
- > Allergen removal
- > Odour removal



MCK75JVM-K



Daikin has already received great praise for its air purifiers: a UK Allergy Certificate for the MC70L and the Daikin TÜV Award for the MCK75JVM-K confirm the efficiency of our units.

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