



Pricelist 2023-2024 Heating



Product catalogue and price list for Heating products

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NOTES: Units listed in this pricelist that operate with refrigerant operate with R-410A, R-134a or, R-32 refrigerant types. They contain fluorinated greenhouse gases. R-410A has a GWP of 2.088, R-134a has a GWP of 1430 and R-32 has a GWP of 675. Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. These appliances contain a refrigerant fluid with a GWP equal to 2.088 (R-410A refrigerant) or 675 (R-32 refrigerant). This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 2.088 or 675 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The pricelist is valid from 1. April 2023. All prior pricelists are not valid anymore. All prices are list prices in Lei, including VAT and excluding Environmental Taxes. The Daikin Commercial Terms and Conditions apply (see www.daikin-ce.com/t&c). We reserve the right for printing errors and model changes. Price list is only intended for "B2B" (Business to Business) use from Daikin to it's business partners and must not be given or made publicly available to consumers.

Product nomenclature guide

| Product name | Product description | Indoor unit models | Outdoor unit models |
|---|---|-----------------------------|-----------------------------|
| Daikin Altherma 3 H HT F | Daikin Altherma 3 Hydrosplit High temperature Floor-standing | ETV(H/X/Z)-E7 | EPRA-D7 |
| Daikin Altherma 3 H HT ECH ₂ O | Daikin Altherma 3 Hydrosplit High temperature ECH ₂ O | ETSH/X(B)-E7 | EPRA-D7 |
| Daikin Altherma 3 H HT W | Daikin Altherma 3 Hydrosplit High temperature Wall-mounted | ETB(H/X)-E7 | EPRA-D7 |
| Daikin Altherma 3 H MT F | Daikin Altherma 3 Hydrosplit Mid temperature Floor-standing | ETV(H/X/Z)-E | EPRA-E |
| Daikin Altherma 3 H MT ECH ₂ O | Daikin Altherma 3 Hydrosplit Mid temperature ECH ₂ O | ETSH/X(B)-E | EPRA-E |
| Daikin Altherma 3 H MT W | Daikin Altherma 3 Hydrosplit Mid temperature Wall-mounted | ETB(H/X)-E | EPRA-E |
| Daikin Altherma 3 R F | Daikin Altherma 3 Refrigerant split Low temperature Floor-standing | EHV(H/X/Z)-E / EBV(H/X/Z)-D | ERGA-E(H)(7)(A) / ERLA-D(7) |
| Daikin Altherma 3 R ECH ₂ O | Daikin Altherma 3 Refrigerant split Low temperature ECH ₂ O | EHSX(X/B)-E / EBSX(X/B)-D | ERGA-E(H)(7)(A) / ERLA-D(7) |
| Daikin Altherma 3 R W | Daikin Altherma 3 Refrigerant split Low temperature Wall-mounted | EHB(H/X)-E / EBB(H/X)-D | ERGA-E(H)(7)(A) / ERLA-D(7) |
| Daikin Altherma 3 M | Daikin Altherma 3 Monobloc Low temperature | / | E(B/D)LA-D / E(B/D)LA-E |
| Daikin Altherma 3 GEO | Daikin Altherma 3 Ground-source Mid temperature | EGSA(H/X)-D | / |
| Daikin Altherma R Hybrid | Daikin Altherma Refrigerant split Hybrid | EHYHB(H/X) + EHYKOMB-A | EVLQ-C |
| Daikin Altherma R Hybrid+Multi | Daikin Altherma Refrigerant split Hybrid+Multi | CHYHBH-A + EHYKOMB-A | * |
| Daikin Altherma 3 C Gas W | Gas condensing boiler D2CND | D2(C/T)ND-A | / |
| Daikin Altherma 3 C Gas W base model | Gas condensing boiler D2CND base model | D2CNL-A | / |
| Daikin Altherma M HW | Monobloc domestic hot water heat pump | EKHHE-(P)C / EKHLE-C | / |
| Daikin Altherma 3 WS | Daikin Altherma 3 Water source floor standing indoor unit | EWSA(H/X)-D | / |

* The Daikin Altherma R Hybrid+Multi connects to a variety of RA Multisplit outdoor units

Stand By Me, a journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service program, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Get on board on our train to ultimate customer satisfaction

On our underground map you can discover all the tools we offer to Daikin installers to help them from the first point of contact with a new client, to the maintenance and repair after installation.



HSN
PRO

Heating Solutions Navigator

Provide the best fit solution for your customers homes



Web portal



Professionals



DAIKIN



Daikin e-Care

Access to registration, configuration and trouble shooting



Mobile app



Professionals



Stand By Me

Manage your installation database and offer comfort and service to your customer



Web portal



Professionals



DAIKIN



Onecta App

End-user app to control the residential unit



Mobile app



Consumer

NEW

Discover the new features

We keep investing in the support towards our installers. With your Daikin account, you have access to Stand By Me and the Heating Solutions Navigator online. Use the same account to access the Daikin e-Care app. The tools offer now new features, check it out!



Heating Solutions Navigator

Newest functions:
underfloor heating, Fan Coil
selection tool and ventilation
quotation tool



Daikin e-Care

Newest function:
20 installer settings to solve
problems remotely



Stand By Me

Newest function:
20 installer settings for remote
monitoring (SBM Pro)



Onecta App

Newest function:
voice control thanks to Amazon
Alexa or Google Assistant

NEW

Error notification and 20 installer settings for remote support through SBM Pro and e-care app

From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation. By changing certain settings they can improve your comfort immediately. Save time and get a better support, thanks to these new features.

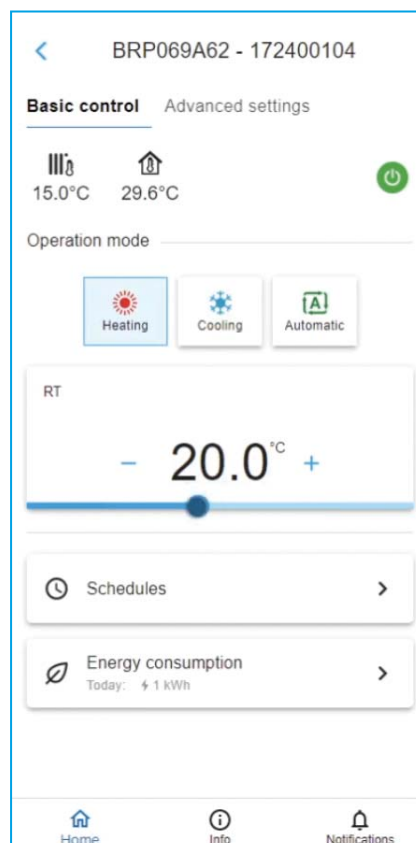
☒ Space heating/cooling

☒ Main zone & Additional zone (LWT)

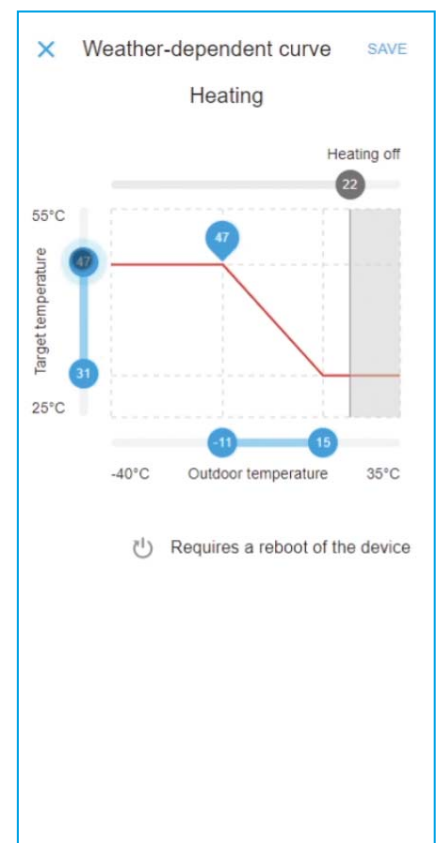
☒ Domestic hot water

☒ Room (RT)

☒ Installer – Error handling



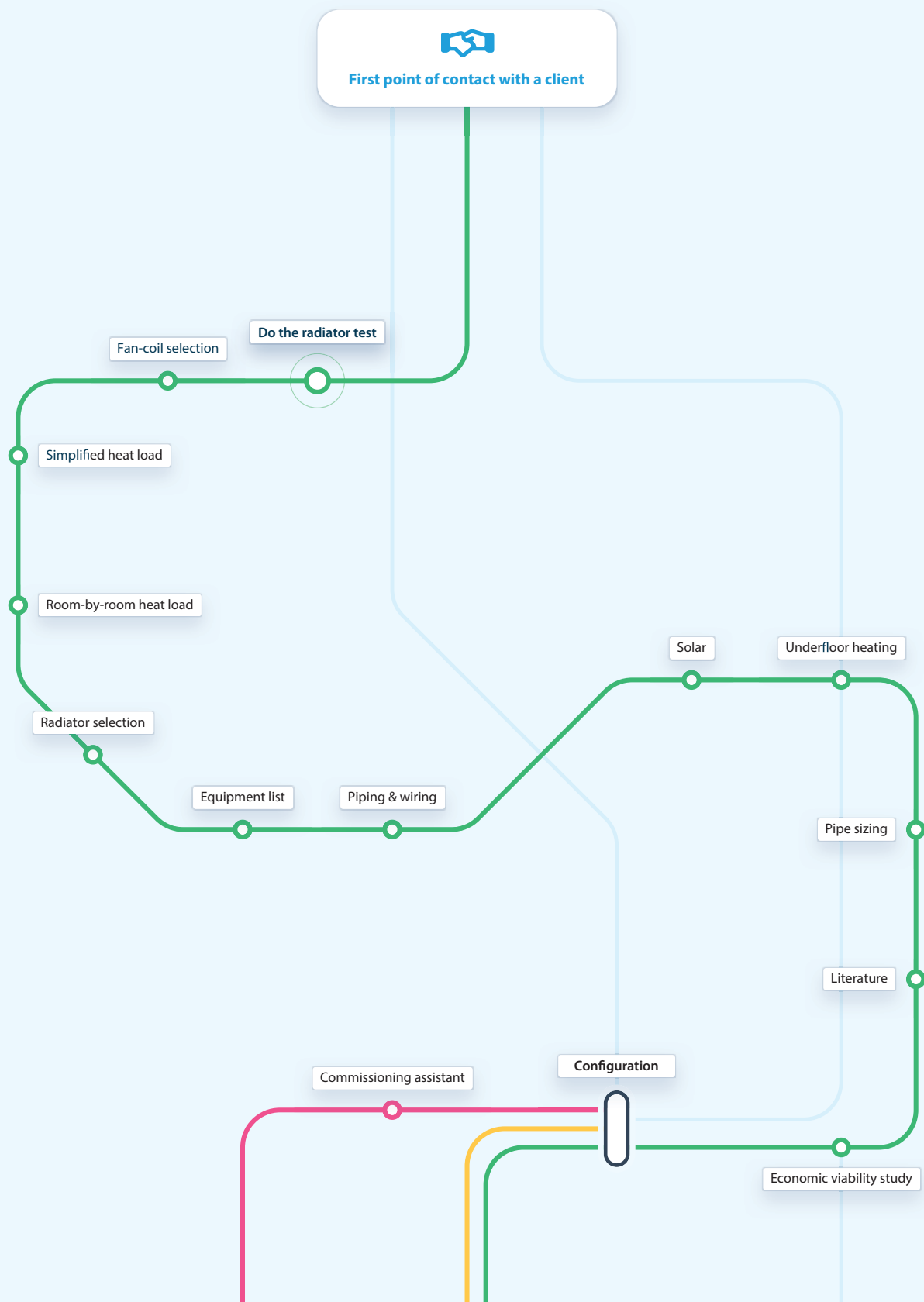
Adjust a room setpoint remotely

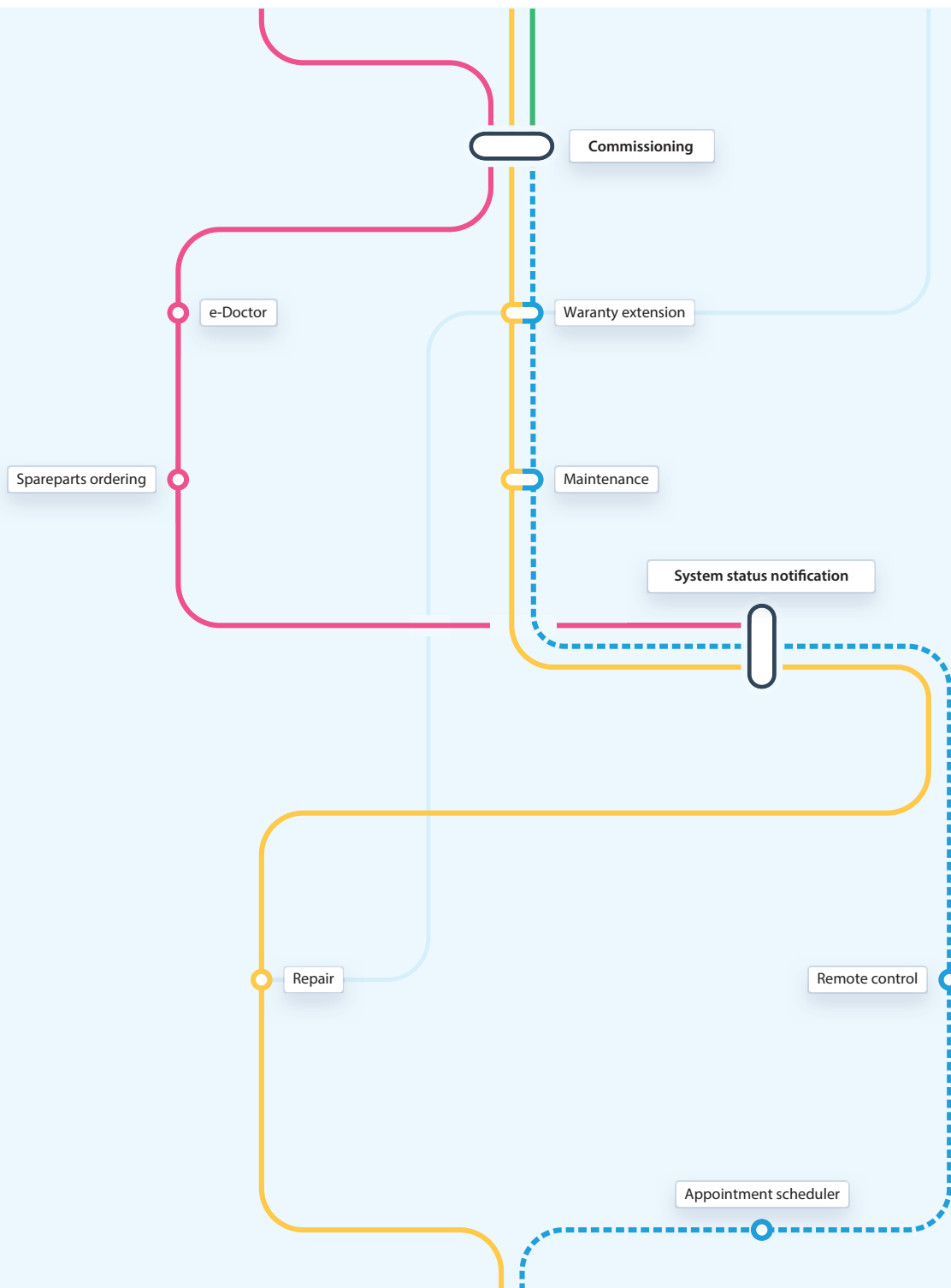


Adjust the weather-dependent curve remotely

All about the Heating Solutions Navigator

The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers homes. With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.





Heating Solutions Navigator

- Do the radiator test
- Fan-coil selection
- Simplified Heat load
- Room by Room heat load
- Commissioning assistant
- Equipment list
- Piping & wiring
- Solar
- Underfloor heating
- Pipe sizing
- Literature
- Economic viability study
- Configuration
- Commissioning

e-Care Mobile App

- Commissioning assistant
- Commissioning
- e-Doctor
- Spareparts ordering
- System status notifications

Stand By Me

- Configuration
- Commissioning
- Warranty extension
- System status notifications

Onecta App

- Warranty extension
- Maintenance
- Remote control
- Appointment scheduler

Highlights

BLUEEVOLUTION



p. 17

Daikin Altherma 3 H MT

R-32 Air to water hydrosplit Heat Pump

- › Available in 8, 10 and 12 kW class
- › Hydrosplit concept with sealed R-32 refrigerant circuit
- › Up to A+++ performance
- › Operation down to -28°C outside temperature
- › Guaranteed heating capacities down to -25°C
- › Delivers LWT 65°C at -15°C (heat pump operation only)
- › Ultra low sound (sound pressure down to 35 dBA @3m)
- › 3 different indoor units available (F, ECH₂O, W)
- › WLAN cartridge standard delivered in the accessory bag
- › Providing space heating, space cooling and domestic hot water
- › Suitable for renovations, replacement, and large new buildings
- › Suitable for replacement of oil and gas boilers

BLUEEVOLUTION



p. 18

Daikin Altherma 3 H HT

R-32 Air to water hydrosplit Heat Pump

- › Available in 14, 16 and 18 kW class
- › Up to A+++ performance
- › Operation down to -28°C outside temperature
- › Guaranteed heating capacities down to -25°C
- › Delivers LWT 70°C at -15°C (heat pump operation only)
- › Ultra low sound (sound pressure down to 35 dBA @3m)
- › LAN adapter connection (optional)
- › WLAN cartridge standard delivered in the accessory bag
- › Providing space heating, space cooling and domestic hot water
- › Suitable for renovations, replacement, and large new buildings
- › Suitable for replacement of oil and gas boilers

BLUEEVOLUTION



p. 22

Daikin Altherma 3 R

R-32 Air to water refrigerant split Heat pump

- › Available in 4,6 & 8 kW class (ERGA) and 11,14 & 16 kW class (ERLA)
- › Refrigerant split concept with sealed R-32 refrigerant circuit
- › Up to A+++ performance
- › Operation down to -25°C outside temperature
- › Guaranteed heating capacities down to -20°C
- › Delivers LWT 60°C at -7°C (heat pump operation only)
- › Suitable for renovations, replacement, and large new buildings
- › Providing space heating, space cooling and domestic hot water
- › WLAN cartridge connection (optional)

BLUEEVOLUTION



p. 30

Daikin Altherma 3 M

R-32 Air to Water monobloc heat pump

- › Available in 4,6 & 8 kW and 9,11,14 & 16 kW
- › Up to A+++ performance
- › Operation down to -25°C outside temperature
- › Guaranteed heating capacities down to -20°C
- › Delivers LWT 60°C at -7°C (heat pump operation only)
- › WLAN cartridge connection (optional)
- › Providing space heating, space cooling and domestic hot water
- › Suitable for renovations, replacement, and large new buildings

BLUEEVOLUTION



p. 40

Daikin Altherma 3 GEO

R-32 ground source heat pump

- › Available in 6 and 10 kW
- › Up to A+++ performance
- › Reversible heat pump, allowing heating and cooling
- › High modulation range down to 0,85 kW
- › Delivers up to LWT 65°C (heat pump operation only)
- › Extremely low sound (sound pressure down to 27 dBA @1m)
- › LAN adapter factory mounted
- › Providing space heating, space cooling and domestic hot water
- › Suitable for renovations, replacement, and large new buildings

BLUEEVOLUTION



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Daikin Altherma 3 WS

R-32 Water source heat pump

- › Available in 6 kW
- › Up to A+++ performance
- › Reversible heat pump, allowing heating and cooling
- › Pressure rating up to 16 bar (no brine pump included)
- › High modulation range down to 1,25 kW
- › Delivers up to LWT 65°C (60°C by heat pump operation only)
- › Extremely low sound (sound pressure down to 27 dBA @1m)
- › LAN adapter factory mounted
- › Providing space heating, space cooling and domestic hot water
- › Suitable for Collective Housing application






Solutions overview

Space heating and domestic hot water

| Air-to-water | | | | | | |
|--|--|---|---|--|--|--|
| | | R-32 | R-32 | R-32 | R-32 | R-32 |
| Products | | Daikin Altherma 3 H MT  | Daikin Altherma 3 H HT  | Daikin Altherma 3 R  | Daikin Altherma 3 M  | Daikin Altherma 3 M  |
| Space heating (up to) | | A ⁺⁺⁺ | A ⁺⁺⁺ | A ⁺⁺⁺ | A ⁺⁺⁺ | A ⁺⁺⁺ |
| Domestic hot water (up to) | | A ⁺ | A ⁺ | A ⁺ | / | / |
| Renovation | | • | • | / | / | / |
| New-build | | • | • | • | • | • |
| tanks | EKHS(P)-D  | • | • | • | • | • |
| | EKHW(D/C) (H/B)-B/PB  | • | • | • | • | • |
| LAN/WLAN | | WLAN (std) | WLAN (std) | WLAN** | WLAN (opt) | WLAN (opt) |
| controllers | Madoka [BRC1HHDK/W/S]] | • | • | • | • | • |
| | EKRUC | / | / | / | / | / |
| | Standard thermostats [EKRT(RB/W)] | • | • | • | • | • |
| | Smart thermostats [EKWCTR*] | • | • | • | • | • |
| Thermal Solar panels  | | • | • | • | • | • |
| Heat pump convectors  | | • | • | • | • | • |

*the data is preliminary

**WLAN cartridge is standard for the Altherma 3 R ERGA unit family and optional for Altherma 3 R ERLA unit family.

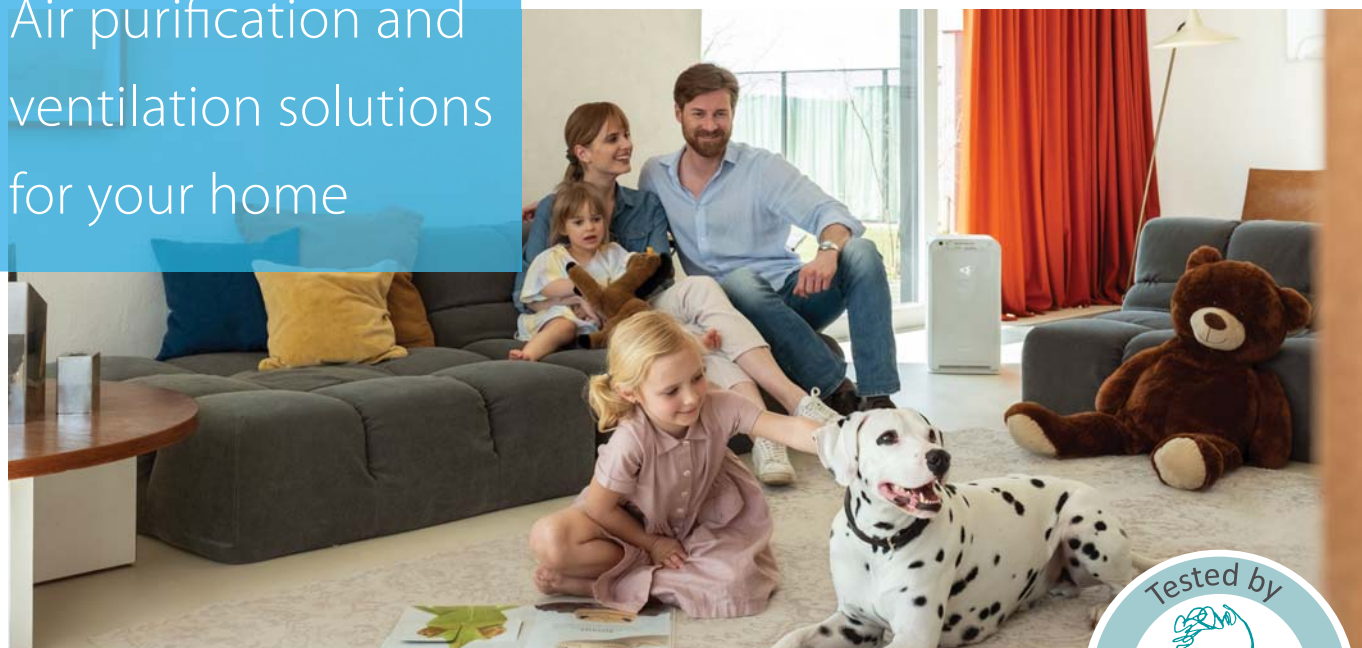
| | Ground-source | Hybrid (heat pump + gas boiler) | | Combustion (gas boiler) | |
|--|--|---|---|--|---|
| | R-32 | R-410A | R-32 | / | / |
| | Daikin Altherma 3 GEO  | Daikin Altherma R Hybrid  | Daikin Altherma R Hybrid+Multi  | Daikin Altherma 3 C Gas W  | Daikin Altherma 3 C Gas W base model  |
| | A++ | A++ | * | A | A |
| | A+ | A | A | A | A |
| | • | • | • | • | • |
| | • | / | / | • | • |
| | / | / | / | / | / |
| | / | • | • | • | • |
| | LAN (std) | LAN (opt) | LAN (opt) | LAN (opt) | / |
| | • | / | / | / | / |
| | / | • | • | / | / |
| | • | • | • | • | / |
| | • | • | • | • | / |
| | / | • | • | / | / |
| | • | • | • | / | / |

Solutions overview

Hot water and collective heating

| | | Hot water | Collective heating and hot water |
|--|--|---|---|
| | | R-134a | R-32 |
| Products | | Daikin Altherma M HW  | Daikin Altherma 3 WS  |
| Space heating (up to) | | - | A+++ |
| Domestic hot water (up to) | | A+ | A+ |
| Renovation | | ● | ● |
| New-build | | ● | ● |
| tanks | EKHWS(P)-D  | / | / |
| | EKHW(D/C)(H/B)-B/PB  | / | / |
| LAN/WLAN | | WLAN (opt) | LAN(Std) |
| controllers | Madoka [BRC1HHDK/W/S] | / | ● |
| | EKRUC | / | / |
| | Standard thermostats [EKRT(RB/W)] | / | ● |
| | Smart thermostats [EKWCTR*] | / | ● |
| Thermal Solar panels  | | ● | / |
| Heat pump convectors  | | / | ● |

Air purification and ventilation solutions for your home



Breathe pure, clean air with Daikin Air Purifiers

Proven effectiveness against respiratory viruses (among others human coronavirus HCoV-229E) evaluated by Institut Pasteur de Lille*

99,98%
of **coronavirus** removed in **2,5 minutes***.

According to tests performed in the laboratories of the Institut Pasteur de Lille, Daikin's air purifiers remove more than 99,98% the human coronavirus HCoV-229E in **2,5 minutes***. This virus is of the same family as SARS-CoV-2, the coronavirus behind the COVID-19 pandemic.

*Daikin device MCK55WVM (commercial name MCK55W), tested by Institut Pasteur de Lille, removes 99,996 % of Human Coronavirus HCoV-229E in 2,5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0,47 m³, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses. | Daikin device MC55WVM (commercial names MC55W/VB), tested by Institut Pasteur de Lille, removes 99,98 % of Human Coronavirus HCoV-229E in 2,5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1,4 m³, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses. | Daikin device MCK55WVM (commercial name MCK55W), tested by Institut Pasteur de Lille, removes 99,986 % of Influenza A virus subtype H1N1 in 2,5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0,47 m³, no air renewal). | Daikin device MC55WVM (commercial names MC55W/VB), tested by Institut Pasteur de Lille, removes 99,93 % of Influenza A virus subtype H1N1 in 2,5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0,47 m³, no air renewal)

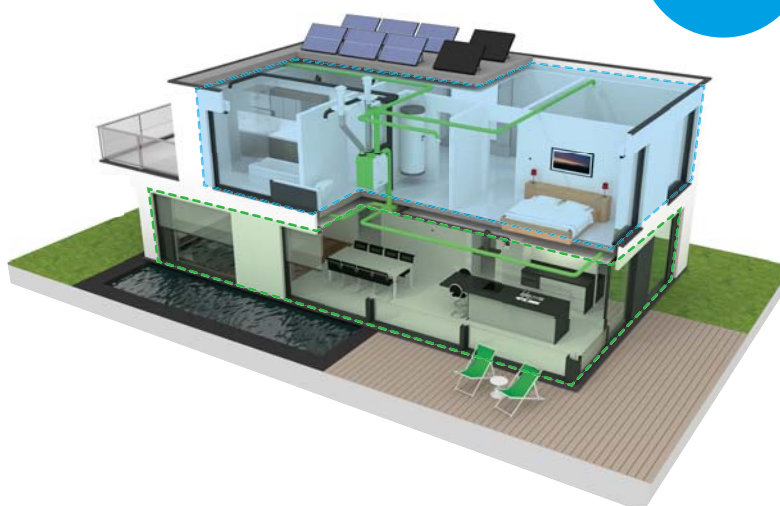
Centralized Heat Recovery Ventilation (CHRV)

Are you looking for a total ventilation package?

Then you are best going to just one address. With Duco CHRV units and DucoFlex, Daikin provides a complete air duct system for CHRV. When you use DucoFlex, you will also benefit from the 'Zero Noise' guarantee package. This consists of the highest airtightness class D, the lowest air resistance and maximum acoustic comfort with the quietest ventilation system in Europe! The result is an energy-efficient and quiet ventilation system.

Did you know that this complete air duct system is very easy to install?

This is thanks to the handy 'Click & Go' principle and minimum number of fittings. Daikin as a one-stop-shop with 100 % service provision.



Daikin Altherma 3 H MT/HT

meeting modern society's expectations

For more Marketing and technical information check:



For Daikin Altherma H MT



For Daikin Altherma H HT



Made in Europe, for Europe

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 H MT/HT to work in "heat pump" mode only down to -28°C outside temperature.

Heating capacities are also maintained down to -15°C outside temperature. This performance is achieved thanks to genuine Daikin technology.

As the market leader, Daikin is always striving to make the most reliable and efficient heat pumps possible. Daikin developed the Bluevolution technology to achieve higher and greener performance. This technology is now part of all new products such as the Daikin Altherma 3 H MT/HT.

The Daikin Altherma 3 H MT/HT. is the first Daikin outdoor unit with a distinctive design. Its single fan reduces the noise level and its black front grill makes the unit fit into any environment.

All these dedicated components were specially developed in-house to make the Daikin Altherma 3 H MT/HT unique.

Superior performance, renewable energy use, design and acoustic comfort.
This is what the Quintessence of heat pump is all about.

BLUEvolution

The Bluevolution technology combines a specifically developed compressor and R-32 refrigerant. Daikin was the first company in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO₂ emissions.

Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO₂ emission targets.

R-32

Timeless design and space-saving installation

Aside from the acoustic comfort, design is a decisive point nowadays. Specific attention was paid to making the outdoor unit blend in with your home.

The black front grill stretches horizontally making the fan inside invisible. The matte grey casing reflects the colour of the wall behind for more discretion. This unit received the IF and reddot design awards 2019.



reddot design award
winner 2019



Witness a timeless design

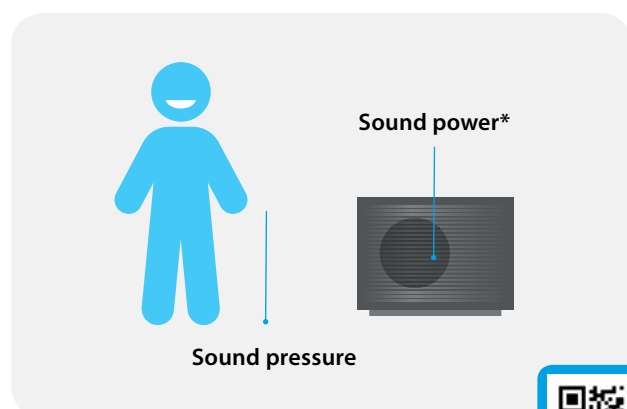
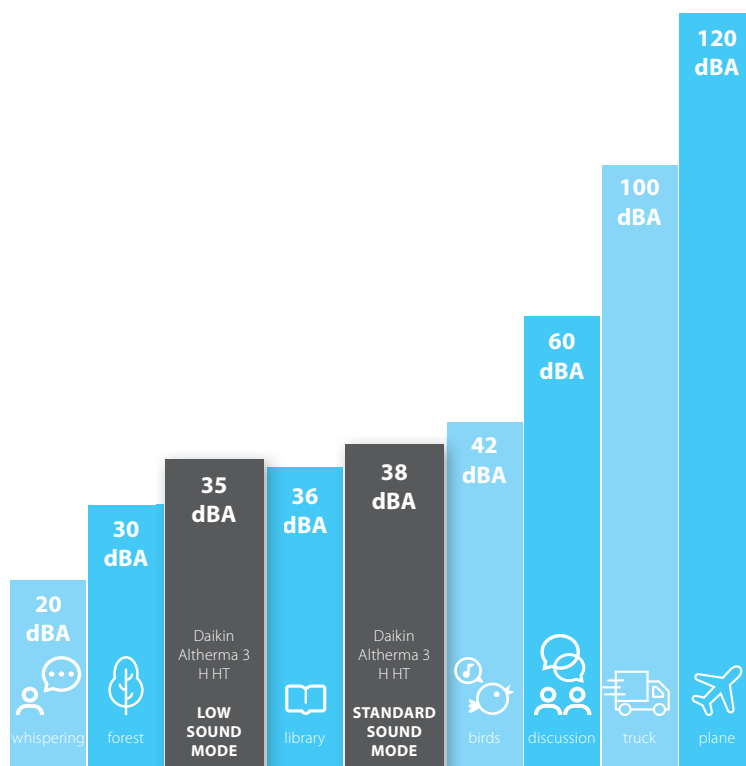


Silence rhymes with comfort

The Daikin Altherma 3 H MT/HT has been designed to reduce its acoustic level and meet the expectations of today's society.

In standard sound mode, the unit produces a sound pressure of 38 dBA at 3 metres, so somewhere between birds chirping and the inside of a library.

The Daikin Altherma 3 H MT/HT also offers greater flexibility by having a low sound mode that reduces the sound pressure at 3 metres to 35 dBA, representing a real reduction of half the sound level!



The acoustic level can be evaluated in two ways

- › The **sound power** is generated by the unit itself, independently of distance and environment
- › The **sound pressure** is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.



Listen to the silence of our outdoor unit
← Check out the video !

Get the best comfort with the best functionalities

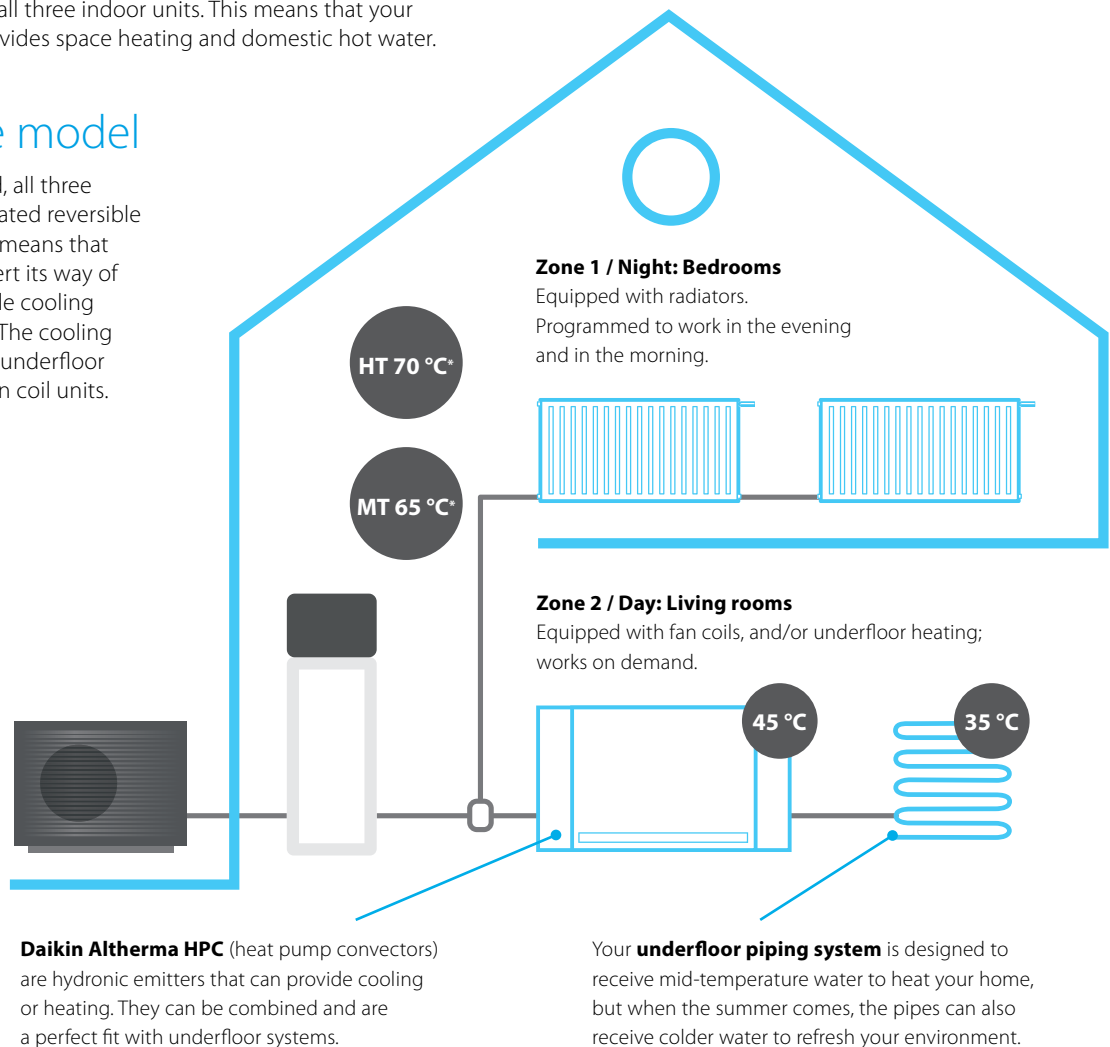
Choose from the Daikin "Three Pluses" the functionality that best fits your customer's needs. The indoor units come in 3 possible versions: heating only, reversible and bi-zone, giving you the opportunity to tailor your Daikin heating system.

+ Heating only model

The heating only model is standard in the Daikin product range and is available for all three indoor units. This means that your heating system provides space heating and domestic hot water.

+ Reversible model

If cooling is needed, all three indoors have dedicated reversible models. Reversible means that the system can invert its way of working and provide cooling instead of heating. The cooling function requires a underfloor piping system or fan coil units.



+ Bi-zone model

The integrated floor standing model also has a dedicated bi-zone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (example: underfloor system in the living room and radiators in the bedroom upstairs).

The 2 zones can also be managed independently: deactivate heating on the first floor during the day in order to reduce over consumption.

Daikin Altherma 3 H MT


Hydro split mid temperature heat pump

| Nomenclature | | Nomenclature | |
|--|--------------------------------------|--------------------|--|
| Example: ETVH12S18E6V | | Example: EPRA08EV3 | |
| E | European split indoor pair heat pump | EP | European hydro split outdoor pair |
| TV | Floor-standing indoor unit | R | High WT(t _{out} -10-20) |
| H/X/Z | H: heating | A | refrigerant R32 |
| | X: heating&cooling | 08 | Model size (8,10,12) |
| | Z: bi-zone unit (heating only) | E | Series |
| 12 | Model size | V3 | Power supply V3 = 1 ph W1 = 3 ph |
| E | Series | | |
| 6V/9W Possible BUH configuration | V = 1 ph W = 3 ph | | |




Daikin Altherma 3 H MT

Hydro split mid temperature outdoor unit 08 - 12 class

| Outdoor unit | | Class | Power supply | Type / Order No | Price Lei | |
|---|--|---------|--------------|-----------------|-----------|----------|
|  | <ul style="list-style-type: none">R-32 split heat pump outdoor unitInverter-controlled gas injected, Hermetically sealed scroll compressor and extended modulation range. | 1 Phase | 8 | 1~230 V, 32A | EPRA08EV3 | 17.526,- |
| | | | 10 | 1~230 V, 32A | EPRA10EV3 | 20.911,- |
| | | 12 | 1~230 V, 32A | EPRA12EV3 | 24.294,- | |
| | <ul style="list-style-type: none">Casing made of weatherproof galvanized sheet steel, primed, resin and powder coated.Extracts heat from the outdoor air, even at -28°C. | 3 Phase | 8 | 3~400 V, 16A | EPRA08EW1 | 19.460,- |
| | | | 10 | 3~400 V, 16A | EPRA10EW1 | 22.843,- |
| | | | 12 | 3~400 V, 16A | EPRA12EW1 | 26.225,- |
| <div>Dimensions (H x W x D): 1.003 x 1.270 x 533 mm</div> | | | | | | |


Daikin Altherma 3 H MT F

Hydro split floor standing indoor unit

| Indoor units | | Tank | Back-up heater | Power supply | Type | Price Lei |
|---|-----------------------|--------|----------------|--------------|--------------|-----------|
| | | Liters | kW | Phase/V | Order No | |
|  | Heating only | 180 | 6 | 1~230 V | ETVH12S18E6V | 24.371,- |
| | | | 9 | 3~400 V | ETVH12S18E9W | 25.454,- |
| | | 230 | 6 | 1~230 V | ETVH12S23E6V | 25.706,- |
| | | | 9 | 3~400 V | ETVH12S23E9W | 26.111,- |
| | Bi-zone, heating only | 180 | 6 | 1~230 V | ETVZ12S18E6V | 28.952,- |
| | | | 9 | 3~400 V | ETVZ12S18E9W | 30.037,- |
| | | 230 | 6 | 1~230 V | ETVZ12S23E6V | 30.289,- |
| | | | 9 | 3~400 V | ETVZ12S23E9W | 30.673,- |
| | Heating and cooling | 180 | 6 | 1~230 V | ETVX12S18E6V | 27.397,- |
| | | | 9 | 3~400 V | ETVX12S18E9W | 28.209,- |
| | | 230 | 6 | 1~230 V | ETVX12S23E6V | 28.460,- |
| | | | 9 | 3~400 V | ETVX12S23E9W | 29.126,- |
| <ul style="list-style-type: none">• Integrated 180/230 l stainless steel tank• High-efficiency circulation pump• Expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater and a 3-Way Valve.• Bi-zone models are equipped with all component needed for temperature monitoring of 2 zones (heating only).• MMI user Interface is included. | | | | | | |
| Dimensions (H x W x D) for 180 l version: 1.650 x 595 x 625 mm for 230 l version: 1.850 x 595 x 625 mm | | | | | | |


Daikin Altherma 3 H MT ECH₂O

Hydro split floor standing ECH₂O indoor unit

| Indoor units | | Tank | Back-up heater | Power supply | Type | Price Lei | |
|---|--|---------------------------------------|----------------|---------------|------------|-------------|----------|
|  | • Integrated 300/500 l Polypropylene tank | Liters | kW | Phase/V | Order No | | |
| | | 300 | 3, 6 or 9 kW* | 1~230 V | ETSH12P30E | 24.872,- | |
| | • High-efficiency circulation pump | 500 | 3, 6 or 9 kW* | 1~230 V | ETSH12P50E | 28.624,- | |
| | • Diverter valves (HE/CO/DHW), integrated return flow temp. limitation, overflow valve, safety module with pressure gauge and safety valve, flow sensor. | Heating only | 300 | 3, 6 or 9 kW* | 1~230 V | ETSHB12P30E | 27.059,- |
| | | Bivalent version | 500 | 3, 6 or 9 kW* | 1~230 V | ETSHB12P50E | 30.798,- |
| | • Heating and Cooling | 300 | 3, 6 or 9 kW* | 1~230 V | ETSX12P30E | 27.493,- | |
| | | 500 | 3, 6 or 9 kW* | 1~230 V | ETSX12P50E | 31.235,- | |
| | • Bivalent version includes heat exchanger for pressurised solar applications or external heat generators. | Heating and Cooling, Bivalent version | 300 | 3, 6 or 9 kW* | 1~230 V | ETSB12P30E | 29.668,- |
| 500 | | 3, 6 or 9 kW* | 1~230 V | ETSB12P50E | 33.400,- | | |
| • MMI user Interface is included. | | | | | | | |
| Dimensions (H x W x D) | | | | | | | |
| for 300 l version: 1.892 x 594 x 644 mm | | | | | | | |
| for 500 l version: 1.910 x 792 x 816 mm | | | | | | | |

Daikin Altherma 3 H MT W

Hydro split wall mounted indoor unit

| Indoor units | | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei | |
|---|---|----------------|----------------------|-------------------------|------------------|-----------|----------|
|  | <ul style="list-style-type: none">High-efficiency circulation pumpExpansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, circulation pump and a 3-Way Valve. | Heating only | - | 6 | 1~ / 3~ 230V** | ETBH12E6V | 17.131,- |
| | | | - | 9 | 3~400 V** | ETBH12E9W | 17.857,- |
| | Heating and cooling | - | 6 | 1~ / 3~ 230V** | ETBX12E6V | 20.146,- | |
| | | - | 9 | 3~400 V** | ETBX12E9W | 20.862,- | |
| <ul style="list-style-type: none">MMI user Interface is included. | | | | | | | |
| Dimensions (H x W x D): 840 x 440 x 390 mm | | | | | | | |

*Inline Back-up heater (3, 6 or 9 kW) and switch-box must be ordered separately.

**Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply.

Daikin Altherma 3 H HT

Hydro split high temperature heat pump

Nomenclature

Example: ETVH16S18E6V7

| | |
|-------------------------------------|--|
| E | European split indoor pair heat pump |
| TV | Floor-standing indoor unit |
| H/X/Z | H: heating X: heating&cooling Z: bi-zone unit (heating only) |
| 16 | Model size |
| E7 | Series |
| 6V/9W Possible BUH configuration | V = 1 ph W = 3 ph |

Nomenclature

Example: EPRA14DV37

| | |
|----|--|
| EP | European hydro split outdoor pair |
| R | High WT(t _{ext} -10;-20) |
| A | refrigerant R32 |
| 14 | Model size (14,16,18) |
| E | Series |
| V3 | Power supply V3 = 1 ph W1 = 3 ph |



Daikin Altherma 3 H HT

Hydro split high temperature outdoor unit 14 - 18 class

| Outdoor unit | | Class | Power supply | Type / Order No | Price Lei |
|--------------|---------|-------|--------------|-------------------|-----------------|
| | 1 Phase | 14 | 1~230 V, 32A | EPRA14DV37 | 26.899,- |
| | | 16 | 1~230 V, 32A | EPRA16DV37 | 30.869,- |
| | | 18 | 1~230 V, 32A | EPRA18DV37 | 34.838,- |
| | 3 Phase | 14 | 3~400 V, 16A | EPRA14DW17 | 29.877,- |
| | | 16 | 3~400 V, 16A | EPRA16DW17 | 33.847,- |
| | | 18 | 3~400 V, 16A | EPRA18DW17 | 37.816,- |

- R-32 split heat pump outdoor unit
- Inverter-controlled gas injected, Hermetically sealed scroll compressor and extended modulation range.
- Casing made of weatherproof galvanized sheet steel, primed, resin and powder coated.
- Leaving water temperature up to 70 °C at high efficiency.
- Extracts heat from the outdoor air, even at -28°C.

Dimensions (H x W x D):
1.003 x 1.270 x 533 mm

Daikin Altherma 3 H HT F

Hydro split floor standing indoor unit

| Indoor units | | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--------------|-----------------------|-------------|-------------------|----------------------|----------------------|-----------------|
| | Heating only | 180 | 6 | 1~ / 3~ 230V** | ETVH16S18E6V7 | 33.200,- |
| | | | 9 | 3~400 V** | ETVH16S18E9W7 | 34.149,- |
| | | 230 | 6 | 1~ / 3~ 230V** | ETVH16S23E6V7 | 34.242,- |
| | | | 9 | 3~400 V** | ETVH16S23E9W7 | 35.687,- |
| | Bi-zone, heating only | 180 | 6 | 1~ / 3~ 230V** | ETVZ16S18E6V7 | 40.310,- |
| | | | 9 | 3~400 V** | ETVZ16S18E9W7 | 41.276,- |
| | | 230 | 6 | 1~ / 3~ 230V** | ETVZ16S23E6V7 | 39.399,- |
| | | | 9 | 3~400 V** | ETVZ16S23E9W7 | 40.959,- |
| | Heating and cooling | 180 | 6 | 1~ / 3~ 230V** | ETVX16S18E6V7 | 36.143,- |
| | | | 9 | 3~400 V** | ETVX16S18E9W7 | 36.415,- |
| | | 230 | 6 | 1~ / 3~ 230V** | ETVX16S23E6V7 | 36.514,- |
| | | | 9 | 3~400 V** | ETVX16S23E9W7 | 38.658,- |

- Integrated 180/230 l stainless steel tank
- High-efficiency circulation pump
- Expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, and a 3-Way Valve.
- Bi-zone models are equipped with all components needed for temperature monitoring of 2 zones (heating only).
- MMI user Interface is included.

Dimensions (H x W x D)
for 180 l version: 1.650 x 595 x 625 mm
for 230 l version: 1.850 x 595 x 625 mm

Daikin Altherma 3 H HT ECH₂O

Hydro split floor standing ECH₂O indoor unit

| Indoor units | | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--------------|--|-------------|-------------------|----------------------|---------------------|-----------------|
| | Heating only | 300 | 3, 6 or 9 kW* | 1~230 V | ETSH16P30E7 | 33.860,- |
| | | 500 | 3, 6 or 9 kW* | 1~230 V | ETSH16P50E7 | 38.943,- |
| | Heating only, Bivalent version | 300 | 3, 6 or 9 kW* | 1~230 V | ETSHB16P30E7 | 36.817,- |
| | | 500 | 3, 6 or 9 kW* | 1~230 V | ETSHB16P50E7 | 41.898,- |
| | Heating and Cooling | 300 | 3, 6 or 9 kW* | 1~230 V | ETSX16P30E7 | 37.411,- |
| | | 500 | 3, 6 or 9 kW* | 1~230 V | ETSX16P50E7 | 42.489,- |
| | Heating and Cooling, Bivalent version | 300 | 3, 6 or 9 kW* | 1~230 V | ETSB16P30E7 | 40.364,- |
| | | 500 | 3, 6 or 9 kW* | 1~230 V | ETSB16P50E7 | 45.446,- |
| | Dimensions (H x W x D) for 300 l version: 1.892 x 594 x 644 mm for 500 l version: 1.910 x 792 x 816 mm | | | | | |

- Integrated 300/500 l Polypropylene tank
- High-efficiency circulation pump
- Diverter valves (HE/CO/DHW), integrated return flow temp. limitation, overflow valve, safety module with pressure gauge and safety valve, flow sensor.
- Bivalent version includes heat exchanger for pressurised solar applications or external heat generators.
- MMI user Interface is included.

Daikin Altherma 3 H HT W




Hydro split wall mounted indoor unit

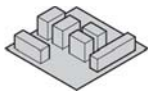
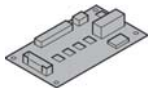













| Indoor units | | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--------------|---------------------|-------------|-------------------|----------------------|-------------------|-----------------|
| | Heating only | - | 6 | 1~ / 3~ 230V** | ETBH16E6V7 | 21.549,- |
| | | - | 9 | 3~400 V** | ETBH16E9W7 | 22.861,- |
| | Heating and cooling | - | 6 | 1~ / 3~ 230V** | ETBX16E6V7 | 25.401,- |
| | | - | 9 | 3~400 V** | ETBX16E9W7 | 26.756,- |
















Dimensions (H x W x D):
840 x 440 x 390 mm

*Inline Back-up heater (3, 6 or 9 kW) and switch-box must be ordered separately.

**Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply.

| | Type | Type / Order No | Daikin Altherma 3 H MT | | | | Daikin Altherma 3 H HT | | | | Price Lei |
|-------------|---|--------------------------------------|------------------------|--------------------|-----------------|-----------------|------------------------|--------------------|-----------------|-----------------|-----------|
| | | | F | ECH ₂ O | W | EPRA-E | F | ECH ₂ O | W | EPRA-D7 | |
| Controllers |  | Madoka Remote user interface, White | BRC1HHDW | • | • | • | | • | • | • | 901,- |
| |  | Madoka Remote user interface, Silver | BRC1HHDS | • | • | • | | • | • | • | 901,- |
| |  | Madoka Remote user interface, Black | BRC1HHDK | • | • | • | | • | • | • | 901,- |
| |  | Wired room thermostat | EKRTWA | • | • | • | | • | • | • | 888,- |
| |  | Wireless room thermostat | EKRTRB | • | • | • | | • | • | • | 1.790,- |
| |  | LAN Adapter (with MMI from v6.8.0) | BRP069A62 | • | • | • | | • | • | • | 720,- |
| |  | WLAN Cartridge | BRP069A78 | • ¹⁾ | • ¹⁾ | • ¹⁾ | | • ¹⁾ | • ¹⁾ | • ¹⁾ | 217,- |
| |  | Wired digital room thermostat | EKWCTRD11V3 | • | • | • | | • | • | • | 281,- |
| |  | Wired analog room thermostat | EKWCTRAN1V3 | • | • | • | | • | • | • | 206,- |
| |  | WLAN module | BRP069A71 | • | • | • | | • | • | • | 369,- |
| |  | DCOM gateway I/O version | DCOM-LT/IO | • | • | • | | • | • | • | 2.393,- |
| |  | DCOM gateway Modbus version | DCOM-LT/MB | • | • | • | | • | • | • | 2.256,- |
| |  | Sequencing Controller | EKCC-W | • | • | • | | • | • | • | 5.705,- |

| | Type | Type / Order No | Daikin Altherma 3 H MT | | | | Daikin Altherma 3 H HT | | | | Price Lei |
|--------------|---|--------------------|------------------------|--------------------|---|--------|------------------------|--------------------|---|---------|-----------|
| | | | F | ECH ₂ O | W | EPRA-E | F | ECH ₂ O | W | EPRA-D7 | |
| Adapter |  Digital I/O PCB | EKRP1HBA | • | • | • | | • | • | • | | 929,- |
| |  Demand PCB | EKRP1AHT | • | • | • | | • | • | • | | 952,- |
| | Relay for smart grid* | EKRELSG | • | • | • | | • | • | • | | 601,- |
| Installation |  Freeze protection valve 1" | AFVALVE1 * | | | | • | | | | • | 865,- |
| |  Freeze protection valve 1 1/4" | AFVALVE125 | | | | • | | | | • | 1.415,- |
| |  Balancing Valve | KBLNVALVE | | | | • | | | | • | 350,- |
| |  Decoupler | KDECOUP | | | | • | | | | • | 2.499,- |
| |  Generic Bizon kit (PCB only) | EKMIKPOA | • (Except ETVZ) | • | • | | • (Except ETVZ) | • | • | | 1.696,- |
| |  Generic Bizon kit | EKMIKPHA | • (Except ETVZ) | • | • | | • (Except ETVZ) | • | • | | 5.777,- |
| |  Inline backup heater 3 kW | EKECBUAF3V | | • | | | | • | | | 3.819,- |
| |  Inline backup heater 6 kW | EKECBUAF6V | | • | | | | • | | | 4.342,- |
| |  Inline backup heater 9 kW | EKECBUAF9W | | • | | | | • | | | 4.718,- |
| |  Inline BUH connection kit (ETS*-E) | EKECBUCO1AF | | • | | | | • | | | 702,- |
| |  Distributor for balancing vessel | EKMIKDIA | • | • | • | | • | • | • | | 1.290,- |
| |  Wired underfloor heating base station | EKWUFHTA1V3 | • | • | • | | • | • | • | | 650,- |
| |  Valve actuator | EKWCVATR1V3 | • | • | • | | • | • | • | | 109,- |

| Type | | | Type / Order No | Daikin Altherma 3 H MT | | | | Daikin Altherma 3 H HT | | | | Price Lei |
|------------------------|---|---|--------------------|------------------------|---------------------------|---|--------|------------------------|---------------------------|---|---------|-----------|
| | | | | F | ECH ₂ O | W | EPRA-E | F | ECH ₂ O | W | EPRA-D7 | |
| Hydraulics |  | Connection kit for EKHP500(P)B for heating only indoor units | EKEPRHLT5H | | | • | | | | • | | 1.655,- |
| |  | Connection kit for EKHP500(P)B for reversible only indoor units | EKEPRHLT5X | | | • | | | | • | | 2.287,- |
| |  | Connection kit for EKHP300(P)B with solar connection. | EKEPRHLT3HX | | | • | | | | • | | 1.282,- |
| |  | | EKHY3PART | | | • | | | | • | | 1.248,- |
| | | Third party tank kit | EKHY3PART2 | | | • | | | | • | | 1.320,- |
| |  | Hydraulic diverter DN 25 | 156025 | • | • | • | | • | • | • | | 4.772,- |
| |  | Hydraulic diverter DN 125 | 172900 | • | • | • | | • | • | • | | 3.443,- |
| |  | Thermal insulation for 172900 diverter | 172901 | • | • | • | | • | • | • | | 2.173,- |
| | | BIV connector kit | EKECBIVCO1AF | | • (for BIV units only) | | | | • (for BIV units only) | | | 927,- |
| | DB connector kit | EKECDBC01AF | | • | | | | • | | | 449,- | |
| Pump group |  | Pump group with mixer | EKMIKHMAF | | • | | | | • | | | 3.337,- |
| |  | Pump group without mixer | EKMIKHUAF | | • | | | | • | | | 2.484,- |
| Additional connections |  | Fernox magnetic filter without additives | K.FERNOXTF1 | • | • | • | | • | • | • | | 1.244,- |
| | | Fernox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1FL | • | • | • | | • | • | • | | 1.768,- |
| |  | Caleffi sludge and magnetite separator SAS1 | 156021 | | • | | | | • | | | 1.614,- |
| | | Caleffi sludge and magnetite separator SAS2 | 156023 | | • | | | | • | | | 1.131,- |
| Sensors |  | Optional remote indoor temperature sensor | KRCS01-1 | • | • | • | | • | • | • | | 662,- |
| |  | Optional wired indoor temperature sensor | EKRTETS | • | • | • | | • | • | • | | 115,- |
| |  | Optional remote outdoor temperature sensor | EKRSC1 | • | • | • | | • | • | • | | 580,- |
| Others |  | Altherma-to-PC USB interface | EKPCCAB4 | • | • | • | | • | • | • | | 1.858,- |
| | | Outdoor unit mounting stand | EKMST1 | | | | • | | | | • | 2.812,- |
| | | Outdoor unit mounting stand with feet | EKMST2 | | | | • | | | | • | 3.124,- |

Daikin Altherma 3 R

powered by Bluevolution with R-32 refrigerant

Why choose Daikin Altherma 3 R?

Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.



High performance

- › Leaving water temperature up to 65 °C at high efficiency
- › Suitable for both underfloor heating and radiators
- › Pedigree trademark in frost protection down to -25°C, ensuring reliable operation even in the coldest climates
- › The Bluevolution technology offers the highest performance:
 - Seasonal efficiency up to A+++
 - Heating efficiency up to a COP of 5,1 (at 7 °C/35 °C)
 - Domestic hot water efficiency up to COP of 3,3 (EN16147)
- › Available in 4, 6 and 8 kW

Easy to install

- › Delivered ready to operate: all key hydraulic elements are factory mounted
- › All servicing can be done from the front and all pipings can be accessed at the top of the unit
- › Black and white modern design
- › Reduced installation time: the outdoor unit is tested and charged with refrigerant

Easy commissioning

- › Integrated high resolution colour interface
- › Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to operate
- › Configuration can take place remotely to upload later on the unit after the day of the installation

Easy to control

- › The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressor ensures consistent room temperatures at all times.
- › Control your system from anywhere at any time via the Daikin Onecta app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R-32 Daikin Altherma 3 R range can also be fully integrated with other home control systems



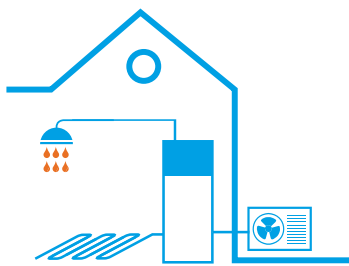
Control via app with Onecta



Daikin Altherma 3 R offers a wide range to adapt to your customers needs

- ✓ **Best seasonal efficiencies** providing the highest savings on running costs
- ✓ Perfect fit for **new buildings**, as well as for low energy houses
- ✓ A leaving water temperature up to 65 °C makes it also **a suitable choice for refurbishments**

To cover all applications, the Daikin Altherma 3 R is available in 3 different indoor units



Daikin Altherma 3 R F

Floor standing unit with integrated domestic hot water tank

Compact and yet 100% comfort guaranteed

- › All components and connections are factory mounted
- › Very small 595 x 625 mm installation footprint required
- › Minimum electrical input with constantly available hot water
- › Dedicated Bi-Zone models available: two temperature zones automatically regulated by the same indoor unit
- › Modern stylish design available in white
- › Compatible with the Daikin Onecta app
- › Voice control available

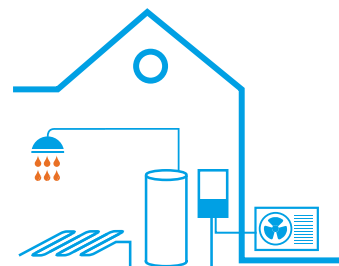


Daikin Altherma 3 R ECH₂O

Floor standing unit with integrated ECH₂O tank

Integrated solar unit and domestic hot water tank

- › Maximising renewable energy with top comfort for hot water preparation
- › Solar support for domestic hot water
- › Lightweight plastic tank
- › Bivalent option: can be combined with a secondary heat source
- › App control available



Daikin Altherma 3 R W

Wall mounted unit

High flexibility for installation and domestic hot water connection

- › Compact unit with small installation (almost no side clearance is required)
- › Can be combined with a space separate domestic hot water tank up to 500 litres, with or without solar support
- › Stylish modern design
- › Compatible with the Daikin Onecta app
- › Voice control available

For more Marketing and technical information check:



ERGA08EVH7



ERLA11-16DW1(7)



ERGA04EV



ERGA06EVH

Get the best comfort with the best functionalities

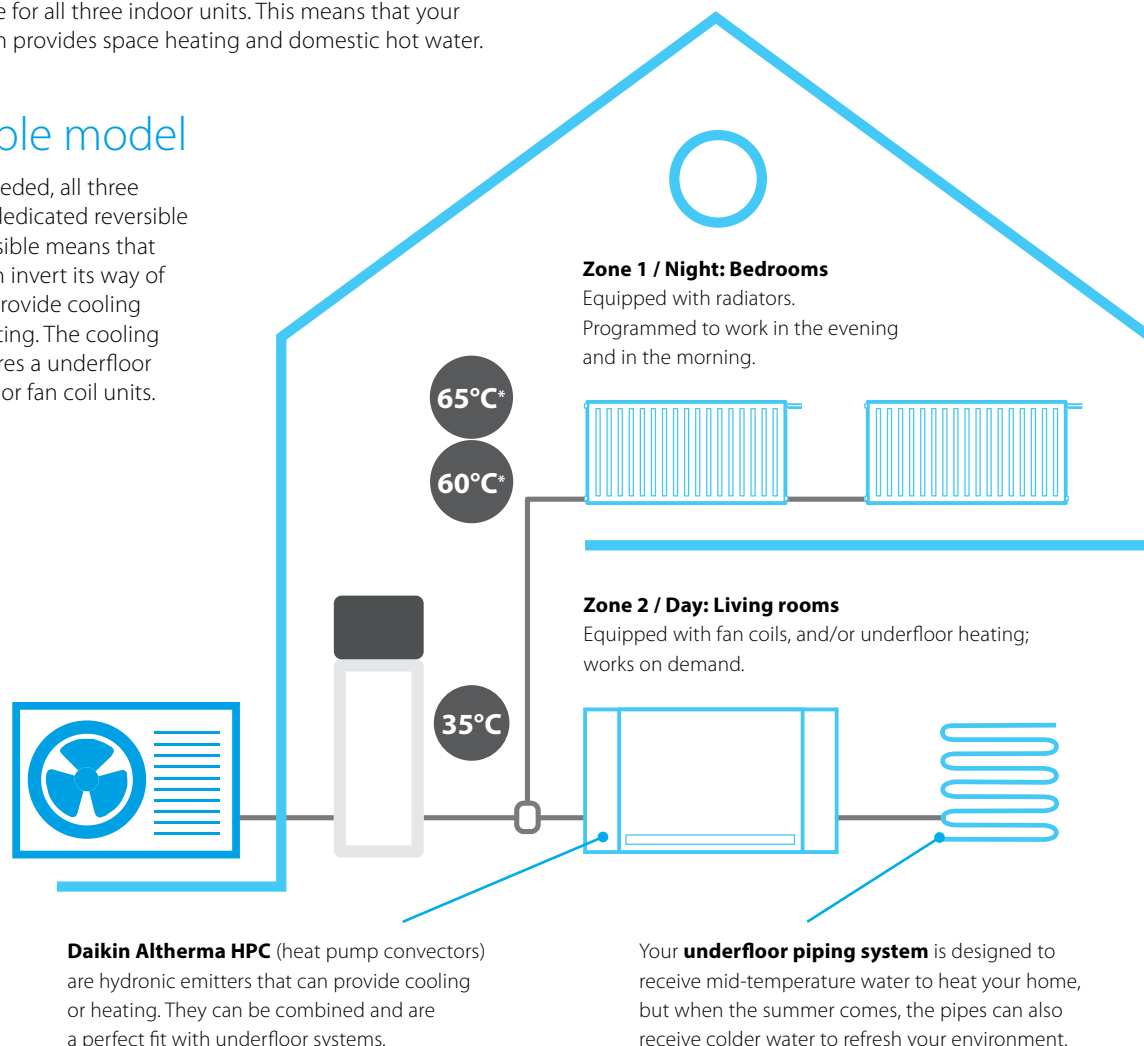
Choose from the Daikin "Three Pluses" the functionality that best fits your customer's needs. The indoor units come in 3 possible versions: heating only, reversible and bi-zone, giving you the opportunity to tailor your Daikin heating system.

+ Heating only model

The heating only model is standard in the Daikin product range and is available for all three indoor units. This means that your heating system provides space heating and domestic hot water.

+ Reversible model

If cooling is needed, all three indoors have dedicated reversible models. Reversible means that the system can invert its way of working and provide cooling instead of heating. The cooling function requires a underfloor piping system or fan coil units.



+ Bi-zone model

The integrated floor standing model also has a dedicated bi-zone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (example: underfloor system in the living room and radiators in the bedroom upstairs).

The 2 zones can also be managed independently: deactivate heating on the first floor during the day in order to reduce over consumption.

LWT up to 65°C available for Daikin Altherma 3 R ERGA (capacity 4/6/8 kW).

LWT up to 60°C available for Daikin Altherma 3 E ERLA (capacity classes 11/14/16)

Daikin Altherma 3 R

Refrigerant split low temperature heat pump

| Nomenclature | | Nomenclature | |
|--|--------------------------------------|--------------------|---|
| Example: EBVH11S18D6V | | Example: ERLA11DV3 | |
| E | European split indoor pair heat pump | ER | European refrigerant split outdoor pair |
| BV | Floor-standing indoor unit | L | medium WT (t _{ext} -10:-20) |
| H/X/Z | H: heating | A | refrigerant R32 |
| | X: heating&cooling | 11 | Model size (11,14,16) |
| | Z: bi-zone unit (heating only) | D | Series |
| 11 | Model size (11,16) | V3 | Power supply |
| D | Series | | V3 =1 ph W1 =3 ph |
| 6V/9W Possible BUH configuration | V=1 ph W=3 ph | | |



Daikin Altherma R

Refrigerant split low temperature outdoor unit 11–16 class


| Outdoor unit | | Class | Power supply | Type / Order No | Price Lei |
|--------------|---------|-------|--------------|-----------------|-----------|
| | 1 Phase | 11 | 1~230 V, 32A | ERLA11DV3 | 20.707,- |
| | | 14 | 1~230 V, 32A | ERLA14DV3 | 24.662,- |
| | | 16 | 1~230 V, 32A | ERLA16DV37 | 28.621,- |
| | 3 Phase | 11 | 3~400 V, 16A | ERLA11DW1 | 24.094,- |
| | | 14 | 3~400 V, 16A | ERLA14DW1 | 28.047,- |
| | | 16 | 3~400 V, 16A | ERLA16DW17 | 32.009,- |

- R-32 split heat pump outdoor unit
- Inverter-controlled compressor and extended modulation range
- Casing made of weatherproof galvanized sheet steel, primed, resin and powder coated
- Leaving water temperature up to 60 °C at high efficiency.
- Extracts heat from the outdoor air, even at -25°C.

Dimensions (H x W x D):
870 x 1.100 x 460 mm

Daikin Altherma 3 R F

Refrigerant split floor-standing indoor unit

| Indoor units | | Class | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei | |
|--|---|-----------------------|----------------|----------------------|-------------------------|------------------|--------------|----------|
|  | <ul style="list-style-type: none">Integrated 180/230 l stainless steel tankHigh-efficiency circulation pumpExpansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater and a 3-Way Valve. | Heating only | 11 | 180 | 6 | 1~ / 3~ 230V** | EBVH11S18D6V | 22.157,- |
| | | | 230 | 6 | 1~ / 3~ 230V** | EBVH11S23D6V | 23.124,- | |
| | | 16 | 180 | 6 | 1~ / 3~ 230V** | EBVH16S18D6V | 26.704,- | |
| | | | 230 | 6 | 1~ / 3~ 230V** | EBVH16S23D6V | 28.108,- | |
| | | 11 | 180 | 9 | 3~400 V** | EBVH11S18D9W | 22.854,- | |
| | | | 230 | 9 | 3~400 V** | EBVH11S23D9W | 23.906,- | |
| | <ul style="list-style-type: none">Bi-zone models are equipped with all component needed for temperature monitoring of 2 zones (heating only).MMI user Interface is included. | Bi-zone, heating only | 16 | 180 | 9 | 3~400 V** | EBVH16S18D9W | 27.823,- |
| | | | | 230 | 9 | 3~400 V** | EBVH16S23D9W | 28.516,- |
| | | | 16 | 180 | 6 | 1~ / 3~ 230V** | EBVZ16S18D6V | 31.723,- |
| | | | | 230 | 6 | 1~ / 3~ 230V** | EBVZ16S23D6V | 33.130,- |
| | | | 16 | 180 | 9 | 3~400 V** | EBVZ16S18D9W | 32.845,- |
| | | | | 230 | 9 | 3~400 V** | EBVZ16S23D9W | 33.537,- |
| | Dimensions (H x W x D) for 180 l version: 1.650 x 595 x 625 mm for 230 l version: 1.850 x 595 x 625 mm | Heating and cooling | 11 | 180 | 6 | 1~ / 3~ 230V** | EBVX11S18D6V | 25.199,- |
| | | | | 230 | 6 | 1~ / 3~ 230V** | EBVX11S23D6V | 26.169,- |
| | | | 16 | 180 | 6 | 1~ / 3~ 230V** | EBVX16S18D6V | 29.336,- |
| | | | | 230 | 6 | 1~ / 3~ 230V** | EBVX16S23D6V | 30.739,- |
| 11 | | | 180 | 9 | 3~400 V** | EBVX11S18D9W | 25.897,- | |
| | | | 230 | 9 | 3~400 V** | EBVX11S23D9W | 26.952,- | |
| 16 | 180 | 9 | 3~400 V** | EBVX16S18D9W | 30.456,- | | | |
| | 230 | 9 | 3~400 V** | EBVX16S23D9W | 31.147,- | | | |

Daikin Altherma 3 R ECH₂O

Refrigerant split floor-standing ECH₂O indoor unit

| Indoor units | | Class | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--------------|---------------------------------------|-------|-------------|-------------------|----------------------|---------------|-----------|
| | Heating only | 11 | 300 | 3, 6 or 9 kW* | 1~230 V | EBSH11P30D | 20.117,- |
| | | | 500 | 3, 6 or 9 kW* | 1~230 V | EBSH11P50D | 23.560,- |
| | | 16 | 300 | 3, 6 or 9 kW* | 1~230 V | EBSH16P30D | 24.374,- |
| | | | 500 | 3, 6 or 9 kW* | 1~230 V | EBSH16P50D | 28.019,- |
| | Heating only, Bivalent version | 11 | 300 | 3, 6 or 9 kW* | 1~230 V | EBSHB11P30D | 22.332,- |
| | | | 500 | 3, 6 or 9 kW* | 1~230 V | EBSHB11P50D | 26.104,- |
| | | 16 | 300 | 3, 6 or 9 kW* | 1~230 V | EBSHB16P30D | 26.663,- |
| | | | 500 | 3, 6 or 9 kW* | 1~230 V | EBSHB16P50D | 30.651,- |
| | Heating and Cooling | 11 | 300 | 3, 6 or 9 kW* | 1~230 V | EBSX11P30D | 22.766,- |
| | | | 500 | 3, 6 or 9 kW* | 1~230 V | EBSX11P50D | 26.605,- |
| | | 16 | 300 | 3, 6 or 9 kW* | 1~230 V | EBSX16P30D | 27.121,- |
| | | | 500 | 3, 6 or 9 kW* | 1~230 V | EBSX16P50D | 31.179,- |
| | Heating and Cooling, Bivalent version | 11 | 300 | 3, 6 or 9 kW* | 1~230 V | EBSXB11P30D | 24.980,- |
| | | | 500 | 3, 6 or 9 kW* | 1~230 V | EBSXB11P50D | 29.147,- |
| | | 16 | 300 | 3, 6 or 9 kW* | 1~230 V | EBSXB16P30D | 29.411,- |
| | | | 500 | 3, 6 or 9 kW* | 1~230 V | EBSXB16P50D | 33.808,- |

- Integrated 300/500 l Polypropylene tank
- High-efficiency circulation pump
- Diverter valves (HE/CO/DHW), integrated return flow temp. limitation, overflow valve, safety module with pressure gauge and safety sensor.
- Bivalent version includes heat exchanger for pressurised solar applications or external heat generators.
- MMI user Interface is included.

Dimensions (H x W x D)
for 300 l version: 1.893 x 594 x 680 mm
for 500 l version: 1.910 x 792 x 817 mm

Daikin Altherma 3 H MT W

Hydro split wall mounted indoor unit

| Indoor units | | Class | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--------------|---------------------|-------|-------------|-------------------|----------------------|---------------|-----------|
| | Heating only | 11 | - | 6 | 1~ / 3~ 230V** | EBBH11D6V | 20.061,- |
| | | 16 | - | 6 | 1~ / 3~ 230V** | EBBH16D6V | 22.157,- |
| | | 11 | - | 9 | 3~400 V** | EBBH11D9W | 20.813,- |
| | | 16 | - | 9 | 3~400 V** | EBBH16D9W | 22.902,- |
| | Heating and cooling | 11 | - | 6 | 1~ / 3~ 230V** | EBBX11D6V | 22.668,- |
| | | 16 | - | 6 | 1~ / 3~ 230V** | EBBX16D6V | 24.769,- |
| | | 11 | - | 9 | 3~400 V** | EBBX11D9W | 23.432,- |
| | | 16 | - | 9 | 3~400 V** | EBBX16D9W | 25.521,- |

- High-efficiency circulation pump
- Expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, circulation pump and a 3-Way Valve.
- MMI user Interface is included.

Dimensions (H x W x D):
840 x 440 x 390 mm

*Inline Back-up heater (3, 6 or 9 kW) and switch-box must be ordered separately.

**Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply.

Daikin Altherma 3 R

Refrigerant split low temperature heat pump 4-8 kW

| Nomenclature | | Nomenclature | |
|----------------------------------|--------------------------------------|------------------------|--|
| Example: EHVH04S18E6V | | Example: ERGA04EV(A,H) | |
| E | European split indoor pair heat pump | ER | European refrigerant split outdoor pair |
| HV | Floor-standing indoor unit | G | medium WT (t _{ext} -10~20) |
| H/X/Z | H: heating | A | refrigerant R32 |
| | X: heating&cooling | 04 | Model size (04/06/08) |
| | Z: bi-zone unit (heating only) | E | Series |
| 04 | Model size (4,8) | V | Power supply V=1 ph |
| E | Series | A,H | Special series (A=low amps, H=h _{max} =30m) |
| 6V/9W Possible BUH configuration | V=1 ph W=3 ph | | |



Daikin Altherma R

Refrigerant split low temperature outdoor unit 4-8 kW



| Outdoor unit | | Class | Power supply | Type / Order No | Price Lei |
|--------------|--|-------|--------------|-----------------|-----------|
| | Standard series | 4 | 1~230 V, 20A | ERGA04EV | 8.035,- |
| | | 6 | 1~230 V, 20A | ERGA06EVH | 10.491,- |
| | | 8 | 1~230 V, 25A | ERGA08EVH7 | 12.946,- |
| | | 4 | 1~230 V, 16A | ERGA04EVA | 8.852,- |
| | Low Amp series | 6 | 1~230 V, 16A | ERGA06EVA | 11.306,- |
| | | 8 | 1~230 V, 16A | ERGA08EVA | 13.358,- |
| | <ul style="list-style-type: none"> R-32 split heat pump outdoor unit Inverter-controlled compressor and extended modulation range. Casing made of weatherproof galvanized sheet steel, primed, resin and powder coated Leaving water temperature up to 65 °C at high efficiency. Extracts heat from the outdoor air, even at -25°C. | | | | |
| | Dimensions (H x W x D) 740 x 884 x 388 mm | | | | |

Daikin Altherma 3 R F

Refrigerant split floor-standing indoor unit

| Indoor units | | Class | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--------------|-----------------------|-------|-------------|-------------------|----------------------|---------------|-----------|
| | Heating only | 4 | 180 | 6 | 1~ / 3~ 230V** | EHVH04S18E6V | 21.848,- |
| | | 4 | 230 | 6 | 1~ / 3~ 230V** | EHVH04S23E6V | 22.746,- |
| | | 8 | 180 | 6 | 1~ / 3~ 230V** | EHVH08S18E6V | 21.970,- |
| | | 8 | 180 | 9 | 3~400 V** | EHVH08S18E9W | 22.409,- |
| | | 8 | 230 | 6 | 1~ / 3~ 230V** | EHVH08S23E6V | 23.180,- |
| | | 8 | 230 | 9 | 3~400 V** | EHVH08S23E9W | 23.644,- |
| | Bi-zone, heating only | 4 | 180 | 6 | 1~ / 3~ 230V** | EHVZ04S18E6V | 26.334,- |
| | | 8 | 180 | 6 | 1~ / 3~ 230V** | EHVZ08S18E6V | 26.530,- |
| | | 8 | 180 | 9 | 3~400 V** | EHVZ08S18E9W | 27.246,- |
| | | 8 | 230 | 6 | 1~ / 3~ 230V** | EHVZ08S23E6V | 27.528,- |
| | Heating and cooling | 8 | 230 | 9 | 3~400 V** | EHVZ08S23E9W | 28.243,- |
| | | 4 | 180 | 3 | 1~ 230V** | EHVX04S18E3V | 23.898,- |
| | | 4 | 180 | 6 | 1~ / 3~ 230V** | EHVX04S18E6V | 24.537,- |
| | | 4 | 230 | 3 | 1~ 230V** | EHVX04S23E3V | 24.785,- |
| | | 4 | 230 | 6 | 1~ / 3~ 230V** | EHVX04S23E6V | 25.434,- |
| | | 8 | 180 | 6 | 1~ / 3~ 230V** | EHVX08S18E6V | 24.754,- |
| | | 8 | 180 | 9 | 3~400 V** | EHVX08S18E9W | 25.249,- |
| | | 8 | 230 | 6 | 1~ / 3~ 230V** | EHVX08S23E6V | 25.864,- |
| | | 8 | 230 | 9 | 3~400 V** | EHVX08S23E9W | 26.381,- |

Daikin Altherma 3 R ECH₂O

Refrigerant split floor-standing ECH₂O indoor unit

| Indoor units | | Class | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--------------|---------------------------------------|-------|-------------|-------------------|----------------------|---------------|-----------|
| | Heating only | 4 | 300 | 3,6 or 9 kW* | 1~230 V | EHS04P30E | 19.412,- |
| | | 8 | 300 | 3,6 or 9 kW* | 1~230 V | EHS08P30E | 22.410,- |
| | | | 500 | 3,6 or 9 kW* | 1~230 V | EHS08P50E | 27.623,- |
| | Heating only, Bivalent version | 4 | 300 | 3,6 or 9 kW* | 1~230 V | EHSB04P30E | 21.916,- |
| | | 8 | 300 | 3,6 or 9 kW* | 1~230 V | EHSB08P30E | 24.909,- |
| | | | 500 | 3,6 or 9 kW* | 1~230 V | EHSB08P50E | 29.788,- |
| | Heating and Cooling | 4 | 300 | 3,6 or 9 kW* | 1~230 V | EHSX04P30E | 22.410,- |
| | | 8 | 300 | 3,6 or 9 kW* | 1~230 V | EHSX08P30E | 25.407,- |
| | | 4 | 500 | 3,6 or 9 kW* | 1~230 V | EHSX04P50E | 28.672,- |
| | | 8 | 500 | 3,6 or 9 kW* | 1~230 V | EHSX08P50E | 31.360,- |
| | Heating and Cooling, Bivalent version | 4 | 300 | 3,6 or 9 kW* | 1~230 V | EHSXB04P30E | 24.909,- |
| | | 8 | 300 | 3,6 or 9 kW* | 1~230 V | EHSXB08P30E | 27.906,- |
| | | 4 | 500 | 3,6 or 9 kW* | 1~230 V | EHSXB04P50E | 30.915,- |
| | | 8 | 500 | 3,6 or 9 kW* | 1~230 V | EHSXB08P50E | 33.602,- |

Daikin Altherma 3 R W

Refrigerant split wall mounted indoor unit


















| Indoor units | | Class | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--------------|--|-------|-------------|-------------------|----------------------|---------------|-----------|
| | Heating only | 4 | - | 6 | 1~ / 3~ 230V** | EHBH04E6V | 14.012,- |
| | | 8 | - | 6 | 1~ / 3~ 230V** | EHBH08E6V | 16.299,- |
| | | 8 | - | 9 | 3~400 V** | EHBH08E9W | 16.625,- |
| | Heating and cooling | 4 | - | 6 | 1~ / 3~ 230V** | EHBX04E6V | 17.465,- |
| | | 8 | - | 6 | 1~ / 3~ 230V** | EHBX08E6V | 18.032,- |
| | | 8 | - | 9 | 3~400 V** | EHBX08E9W | 19.686,- |
| | Dimensions (H x W x D): 840 x 440 x 390 mm | | | | | | |











*Inline Back-up heater (3, 6 or 9 kW) and switch-box must be ordered separately.

**Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply.

| | Type | Type / Order No | Daikin Altherma 3 R ERLA | | | | Daikin Altherma 3 R ERGA | | | | Price Lei |
|-------------|---|--------------------------------------|--------------------------|--------------------|---|--------|--------------------------|--------------------|-----------------|-----------------|-----------|
| | | | F | ECH ₂ O | W | ERLA-D | F | ECH ₂ O | W | ERGA-E | |
| Controllers |  | Madoka Remote user interface, White | BRC1HHDW | • | • | • | | • | • | • | 901,- |
| |  | Madoka Remote user interface, Silver | BRC1HHDS | • | • | • | | • | • | • | 901,- |
| |  | Madoka Remote user interface, Black | BRC1HHDK | • | • | • | | • | • | • | 901,- |
| |  | Wired room thermostat | EKRTWA | • | • | • | | • | • | • | 888,- |
| |  | Wireless room thermostat | EKRTRB | • | • | • | | • | • | • | 1.790,- |
| |  | Wired digital room thermostat | EKWCTRD1V3 | • | • | • | | • | • | • | 281,- |
| |  | Wired analog room thermostat | EKWCTRAN1V3 | • | • | • | | • | • | • | 206,- |
| |  | LAN Adapter (with MMI from v6.8.0) | BRP069A62 | • | • | • | | • | • | • | 720,- |
| |  | WLAN module | BRP069A71 | • | • | • | | • ¹⁾ | • ¹⁾ | • ¹⁾ | 369,- |
| |  | WLAN cartridge | BRP069A78 | • | | • | | • | | • | 217,- |
| |  | DCOM gateway I/O version | DCOM-LT/IO | • | • | • | | • | • | • | 2.393,- |
| |  | DCOM gateway Modbus version | DCOM-LT/MB | • | • | • | | • | • | • | 2.256,- |
| |  | Sequencing Controller | EKCC-W | • | • | • | | • | • | • | 5.705,- |
| Adapter |  | Digital I/O PCB | EKRP1HBA | • | • | • | | • | • | • | 929,- |
| |  | Demand PCB | EKRP1AHT | • | • | • | | • | • | • | 952,- |
| | | Relay for smart grid | EKRELSG | • | • | • | | | • | • | 601,- |

(1) WLAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2 (in case bad reception of signal, the WLAN cartridge can be removed and replaced by WLAN Module

| | Type | Type / Order No | Daikin Altherma 3 R ERLA | | | | Daikin Altherma 3 R ERGA | | | | Price Lei |
|--------------|---|---|--------------------------|---------------------------|---|--------|--------------------------|---------------------------|---|--------|-----------|
| | | | F | ECH ₂ O | W | ERLA-D | F | ECH ₂ O | W | ERGA-E | |
| Installation |  | Additional kit for bi-zone application BZKA7V3 | • (Except EBVZ) | • | • | | • (Except EBVZ) | • | • | | 10.878,- |
| |  | Generic Bizon kit (PCB only) EKMIKPOA | • (Except EBVZ) | • | • | | | • | | | 1.696,- |
| |  | Generic Bizon kit EKMIKPHA | • (Except EBVZ) | • | • | | | • | | | 5.777,- |
| |  | Wired underfloor heating base station EKWUFHTA1V3 | • | • | • | | • | • | • | | 650,- |
| |  | Valve actuator EKWCVATR1V3 | • | • | • | | • | • | • | | 109,- |
| |  | Balancing Valve KBLNVALVE | | | | • | | | | | 350,- |
| |  | Decoupler KDECOP | | | | • | | | | | 2.499,- |
| |  | Inline backup heater 3 kW EKECBUAF3V | | • | | | | • | | | 3.819,- |
| | | Inline backup heater 6 kW EKECBUAF6V | | • | | | | • | | | 4.342,- |
| | | Inline backup heater 9 kW EKECBUAF9W | | • | | | | • | | | 4.718,- |
| | | Inline BUH connection kit (EBS*) EKECBUCO2AF | | • | | | | | | | 722,- |
| | | Inline BUH connection kit (EBS*) EKECBUCO3AF | | | | | | • | | | 722,- |
| Hydraulics |  | Connection kit for EKHWP500(P)B for heating only indoor units EKEPRHLT5H | | | • | | | | • | | 1.655,- |
| |  | Connection kit for EKHWP500(P)B for reversible only indoor units EKEPRHLT5X | | | • | | | | • | | 2.287,- |
| |  | Connection kit for EKHWP300(P)B with solar connection. EKEPRHLT3HX | | | • | | | | • | | 1.282,- |
| |  | Third party tank kit EKHY3PART | | | • | | | | • | | 1.248,- |
| | | EKHY3PART2 | | | • | | | | • | | 1.320,- |
| |  | Hydraulic diverter DN 25 156025 | • | • | • | | • | • | • | | 4.772,- |
| |  | Hydraulic diverter DN 125 172900 | • | • | • | | • | • | • | | 3.443,- |
| |  | Thermal insulation for 172900 diverter 172901 | • | • | • | | • | • | • | | 2.173,- |
| | | BIV connector kit EKECBIVCO2AF | | • (for BIV units only) | | | | • (for BIV units only) | | | 702,- |
| Pump group | | DB connector kit EKECDBC02AF | | • | | | | • | | | 449,- |
| |  | Pump group with mixer EKMIKHMAF | | • | | | | • | | | 3.337,- |
| |  | Pump group without mixer EKMIKHUAF | | • | | | | • | | | 2.484,- |

| | Type | Type / Order No | Daikin Altherma 3 R ERLA | | | | Daikin Altherma 3 R ERGA | | | | Price Lei |
|------------------------|---|---|--------------------------|--------------------|---|--------|--------------------------|--------------------|---|--------|-----------|
| | | | F | ECH ₂ O | W | ERLA-D | F | ECH ₂ O | W | ERGA-E | |
| Additional connections |  | Ferrox magnetic filter without additives | K.FERNOXTF1 | • | • | • | | • | • | • | 1.244,- |
| | | Ferrox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1FL | • | • | • | | • | • | • | 1.768,- |
| |  | Caleffi sludge and magnetite separator SAS1 | 156021 | | • | | | • | | | 1.614,- |
| | | Caleffi sludge and magnetite separator SAS2 | 156023 | | • | | | • | | | 1.131,- |
| Sensors |  | Optional remote indoor temperature sensor | KRCS01-1 | • | • | • | | • | • | • | 662,- |
| |  | Optional wired indoor temperature sensor | EKRTETS | • | • | • | | • | • | • | 115,- |
| |  | Optional remote outdoor temperature sensor | EKRSC1 | • | • | • | | • | • | • | 580,- |
| Others |  | Altherma-to-PC USB interface | EKPCCAB4 | • | • | • | | • | • | • | 1.858,- |
| | | Outdoor unit mounting stand | EKMST1 | | | | • | | | | 2.812,- |
| | | Outdoor unit mounting stand with feet | EKMST2 | | | | • | | | | 3.124,- |
| |  | Outdoor unit drain pan | EKDP008D | | | | | | | • | 1.091,- |
| |  | Outdoor unit drain pan heater kit | EKDPH008C | | | | | | | • | 1.670,- |
| |  | Outdoor unit mounting feet | EKFT008D | | | | | | | • | 677,- |
| |  | Low sound cover | EKLN08A1 | | | | | | | • | 11.486,- |

Daikin Altherma 3 M

The power pact

The Daikin Altherma 3 M is the Daikin's first third generation monobloc, benefiting from a new design and using the R-32 refrigerant.

Compact improved design

A redesigned casing

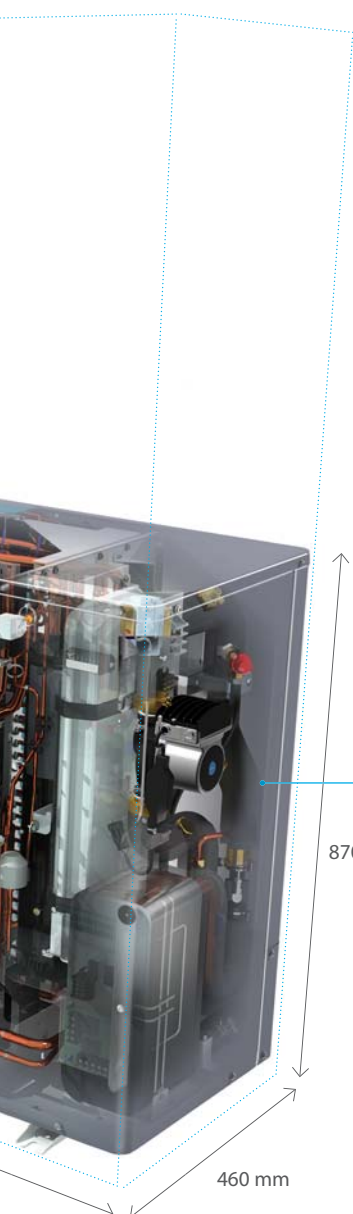
The black front grill made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.

A single fan for high capacity units

The single fan is slightly larger, replacing the usual double fan for high capacity units. The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.



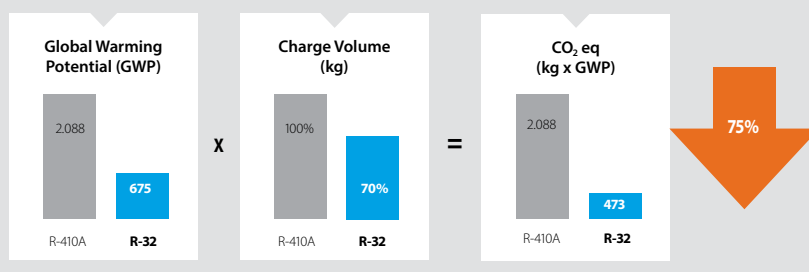


R-32 monobloc

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO₂ emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO₂ emission targets.

Reduced environmental impact: CO₂eq > 75% reduction

- > GWP: R-410A: 2.088 > R-32: 675
- > 30% less refrigerant charge needed



R-32 BLUEvolution

A simple solution to space limitation

Thanks to the monobloc set-up, no indoor unit is required which helps when space is limited inside. The monobloc can even fit under a window!



For more Marketing and technical information check:



EBLA



EDLA

Daikin Altherma 3 M

Monobloc unit class 09-16

Nomenclature

Example: EDLA09DV3

| | |
|----|--|
| E | European Model outdoor unit |
| DL | Heating only |
| A | Refrigerant R32 |
| 09 | Model size (9,11,14,16) |
| D | Series |
| V | Power supply V3 = 1 ph W1 = 3 ph |

Nomenclature

Example: EBLA09DV3

| | |
|----|--|
| E | European Model outdoor unit |
| BL | Heating & Cooling |
| A | Refrigerant R32 |
| 09 | Model size (9,11,14,16) |
| D | Series |
| V | Power supply V3 = 1 ph W1 = 3 ph |

Nomenclature

Example: EDLA09D3V3

| | |
|----|--|
| E | European Model outdoor unit |
| DL | Heating only |
| A | Refrigerant R32 |
| 09 | Model size (9,11,14,16) |
| D | Series |
| 3 | Back-up heater capacity |
| V | Power supply V3 = 1 ph W1 = 3 ph |

Nomenclature


Example: EBLA09D3V3

| | |
|----|--|
| E | European Model outdoor unit |
| BL | Heating & Cooling |
| A | Refrigerant R32 |
| 09 | Model size (9,11,14,16) |
| D | Series |
| 3 | Back-up heater capacity |
| V | Power supply V3 = 1 ph W1 = 3 ph |





































































































Daikin Altherma 3 M

Monobloc heat pump unit









| Outdoor unit | | Phase | Class | Back-up heater kW | Power supply | Type Order No | Price Lei |
|---|---------------------|---------|-------|----------------------|--------------|--------------------|-----------------|
|  <ul style="list-style-type: none"> R-32 Monobloc heat pump unit Inverter-controlled compressor and extended modulation range. All-in-one concept including all hydraulic parts. Available with or without integrated 3 kW backup heater. Casing made of weatherproof galvanized sheet steel, primed, resin and powder coated. Leaving water temperature up to 60°C at high efficiency. Extracts heat from the outdoor air, even at -25°C. <p>Dimensions (H x W x D): 870 x 1.380 x 460 mm</p> | Heating only | 1 Phase | 9 | - | 1~230 V, 32A | EDLA09DV3 | 28.166,- |
| | | | 11 | - | 1~230 V, 32A | EDLA11DV3 | 29.651,- |
| | | | 14 | - | 1~230 V, 32A | EDLA14DV3 | 34.079,- |
| | | | 16 | - | 1~230 V, 32A | EDLA16DV37 | 38.517,- |
| | | | 9 | 3 | 1~230 V, 32A | EDLA09D3V3 | 28.915,- |
| | | | 11 | 3 | 1~230 V, 32A | EDLA11D3V3 | 30.440,- |
| | | 3 Phase | 14 | 3 | 1~230 V, 32A | EDLA14D3V3 | 34.879,- |
| | | | 16 | 3 | 1~230 V, 32A | EDLA16D3V37 | 39.306,- |
| | | | 9 | - | 3~400 V, 16A | EDLA09DW1 | 31.323,- |
| | | | 11 | - | 3~400 V, 16A | EDLA11DW1 | 32.971,- |
| | | | 14 | - | 3~400 V, 16A | EDLA14DW1 | 37.410,- |
| | | | 16 | - | 3~400 V, 16A | EDLA16DW17 | 39.169,- |
| | Heating and cooling | 1 Phase | 9 | 3 | 3~400 V, 16A | EDLA09D3W1 | 32.080,- |
| | | | 11 | 3 | 3~400 V, 16A | EDLA11D3W1 | 37.148,- |
| | | | 14 | 3 | 3~400 V, 16A | EDLA14D3W1 | 38.198,- |
| | | | 16 | 3 | 3~400 V, 16A | EDLA16D3W17 | 42.634,- |
| | | 3 Phase | 9 | - | 1~230 V, 32A | EBLA09DV3 | 31.323,- |
| | | | 11 | - | 1~230 V, 32A | EBLA11DV3 | 32.971,- |
| | | | 14 | - | 1~230 V, 32A | EBLA14DV3 | 37.410,- |
| | | | 16 | - | 1~230 V, 32A | EBLA16DV37 | 41.837,- |
| | | | 9 | 3 | 1~230 V, 32A | EBLA09D3V3 | 32.080,- |
| | | | 11 | 3 | 1~230 V, 32A | EBLA11D3V3 | 33.771,- |
| | | 3 Phase | 14 | 3 | 1~230 V, 32A | EBLA14D3V3 | 38.198,- |
| | | | 16 | 3 | 1~230 V, 32A | EBLA16D3V37 | 42.634,- |
| | | | 9 | - | 3~400 V, 16A | EBLA09DW1 | 34.489,- |
| | | | 11 | - | 3~400 V, 16A | EBLA11DW1 | 36.301,- |
| | | | 14 | - | 3~400 V, 16A | EBLA14DW1 | 40.731,- |
| | | | 16 | - | 3~400 V, 16A | EBLA16DW17 | 45.165,- |
| | | 3 Phase | 9 | 3 | 3~400 V, 16A | EBLA09D3W1 | 35.236,- |
| | | | 11 | 3 | 3~400 V, 16A | EBLA11D3W1 | 37.090,- |
| | | | 14 | 3 | 3~400 V, 16A | EBLA14D3W1 | 41.529,- |
| | | | 16 | 3 | 3~400 V, 16A | EBLA16D3W17 | 45.954,- |

| | | | | NO BUH | | BUH | | Price Lei |
|-------------|---|------------------------------------|-------------|--------|--------|---------|---------|-----------|
| Type | Material name | | | H/O | H/C | H/O | H/C | |
| | | | | EDLA-D | EBLA-D | EDLA-D3 | EBLA-D3 | |
| Controllers |  | Remote user interface, White | BRC1HHDW | • | • | • | • | 901,- |
| |  | Remote user interface, Silver | BRC1HHDS | • | • | • | • | 901,- |
| |  | Remote user interface, Black | BRC1HHDK | • | • | • | • | 901,- |
| |  | Optional wired room thermostat | EKRTWA | • | • | • | • | 888,- |
| |  | Wireless room thermostat | EKRTRB | • | • | • | • | 1.790,- |
| |  | Wired digital room thermostat | EKWCTRD11V3 | • | • | • | • | 281,- |
| |  | Wired analog room thermostat | EKWCTRAN1V3 | • | • | • | • | 206,- |
| |  | LAN Adapter (with MMI from v6.8.0) | BRP069A62 | • | • | • | • | 720,- |
| |  | WLAN cartridge | BRP069A78 | • | • | • | • | 217,- |
| |  | DCOM gateway I/O version | DCOM-LT/IO | • | • | • | • | 2.393,- |
| |  | DCOM gateway Modbus version | DCOM-LT/MB | • | • | • | • | 2.256,- |
| |  | Sequencing Controller | EKCC-W | • | • | • | • | 5.705,- |
| Adapters |  | Demand PCB | EKRPIAHT | • | • | • | • | 952,- |
| |  | Digital I/O PCB | EKRPIHBA | • | • | • | • | 929,- |
| | | Relay for smart grid | EKRELSG | • | • | • | • | 601,- |

(1) Mandatory when glycol is used. (2) To use when thermistor can be inserted in the tank.

| | | | | NO BUH | | BUH | | Price Lei |
|--------------|---|--|--------------|---|---|---|---|-----------|
| Type | Material name | H/O | H/C | H/O | H/C | | | |
| | | EDLA-D | EBLA-D | EDLA-D3 | EBLA-D3 | | | |
| Installation |  | Freeze protection valve 1" | AFVALVE1 |  |  |  |  | 865,- |
| |  | Freeze protection valve 1 1/4" | AFVALVE125 |  |  |  |  | 1.415,- |
| |  | Balancing Valve | KBLNVALVE |  |  |  |  | 350,- |
| |  | Decoupler | KDECOUP |  |  |  |  | 2.499,- |
| |  | Wired underfloor heating base station | EKWUFHTA1V3 |  |  |  |  | 650,- |
| |  | Valve actuator | EKWCVATR1V3 |  |  |  |  | 109,- |
| |  | Booster heater kit | EKBH3SD |  |  |  |  | 2,235,- |
| |  | Bypass kit | EKMBHBP1 |  |  |  |  | 1.490,- |
| |  | Flow switch | EKFLSW2 |  |  |  |  | 389,- |
| |  | Backup heater kit | EKLBUHCB6W1 |  |  |  |  | 389,- |
| Hydraulics |  | Connection kit for EKHWP500(P)B for heating only indoor units | EKEPRHLT5H |  |  |  |  | 1,655,- |
| |  | Connection kit for EKHWP500(P)B for reversible only indoor units | EKEPRHLT5X |  |  |  |  | 2.287,- |
| |  | Connection kit for EKHWP300(P)B with solar connection. | EKEPRHLT3HX |  |  |  |  | 1.282,- |
| |  | Third-party tank connection kit for thermistor pocket | EKHY3PART |  |  |  |  | 1.248,- |
| |  | Third-party tank connection kit for thermostat contact | EKHY3PART2 |  |  |  |  | 1.320,- |
| |  | Hydraulic diverter DN 25 | 156025 |  |  |  |  | 4.772,- |
| |  | Hydraulic diverter DN 125 | 172900 |  |  |  |  | 3.443,- |
| |  | Thermal insulation for 172900 diverter | 172901 |  |  |  |  | 2.173,- |
| | | BIV connector kit | EKECBIVCO2AF |  |  |  |  | 702,- |
| | | DB connector kit | EKECDBC02AF |  |  |  |  | 449,- |

*Two AFVALVE1 are needed per outdoor unit

| | | | | NO BUH | | BUH | | Price Lei |
|------------------------|---|---|---------------|--------|--------|---------|---------|-----------|
| Type | Material name | | | H/O | H/C | H/O | H/C | |
| | | | | EDLA-D | EBLA-D | EDLA-D3 | EBLA-D3 | |
| Pump group |  | Pump group with mixer | 156075 | ● | ● | ● | ● | 5.505,- |
| |  | Pump group without mixer | 156077 | ● | ● | ● | ● | 3.919,- |
| | | Fittings kit for mixer group MK1/MK2 | 156053 | ● | ● | ● | ● | 139,- |
| Additional connections |  | Ferrox magnetic filter without additives | K.FERNOXTF1 | ● | ● | ● | ● | 1.244,- |
| | | Ferrox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1FL | ● | ● | ● | ● | 1.768,- |
| |  | Caleffi sludge and magnetite separator SAS1 | 156021 | ● | ● | ● | ● | 1.614,- |
| | | Caleffi sludge and magnetite separator SAS2 | 156023 | ● | ● | ● | ● | 1.131,- |
| Sensors |  | Optional remote indoor temperature sensor | KRCS01-1 | ● | ● | ● | ● | 662,- |
| |  | Optional wired indoor temperature sensor | EKRTETS | ● | ● | ● | ● | 115,- |
| |  | Optional remote outdoor temperature sensor | EKRSC1 | ● | ● | ● | ● | 580,- |
| Others |  | Altherma-to-PC USB interface | EKPCCAB4 | ● | ● | ● | ● | 1.858,- |

Daikin Altherma 3 M

Monobloc unit class 04-08

Nomenclature

Example: EDLA04EV3

| | |
|----|-----------------------------|
| E | European Model outdoor unit |
| DL | Heating only |
| A | refrigerant R32 |
| 04 | Model size (4,6,8) |
| E | Series |
| V | Power supply V3 = 1 ph |

Nomenclature

Example: EBLA04EV3

| | |
|----|-----------------------------|
| E | European Model outdoor unit |
| BL | Heating & Cooling |
| A | refrigerant R32 |
| 04 | Model size (4,6,8) |
| E | Series |
| V | Power supply V3 = 1 ph |

Nomenclature

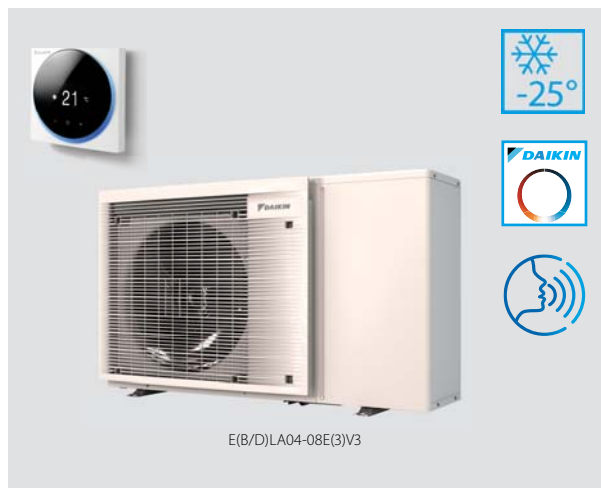
Exemplu: EDLA04E3V3

| | |
|----|-----------------------------|
| E | European Model outdoor unit |
| DL | Heating only |
| A | refrigerant R32 |
| 04 | Model size (4,6,8) |
| E | Series |
| 3 | Back-up heater capacity |
| V | Power supply V3 = 1 ph |

Nomenclature


Exemplu: EBLA04E3V3

| | |
|----|-----------------------------|
| E | European Model outdoor unit |
| BL | Heating & Cooling |
| A | refrigerant R32 |
| 04 | Model size (4,6,8) |
| E | Series |
| 3 | Back-up heater capacity |
| V | Power supply V3 = 1 ph |



Daikin Altherma M

Monobloc heat pump unit

| Outdoor unit | | Class | Back-up heater kW | Power supply | Type Order No | Price Lei |
|---|---------------------|-------|----------------------|--------------|-------------------|-----------------|
|  <ul style="list-style-type: none"> R-32 Monobloc heat pump unit Inverter-controlled compressor and extended modulation range. All-in-one concept including all hydraulic parts. Available with or without integrated 3 kW backup heater. Casing made of weatherproof galvanized sheet steel, primed, resin and powder coated. Leaving water temperature up to 65°C at high efficiency. Extracts heat from the outdoor air, even at -25°C. <p>Dimensions (H x W x D): 770 x 1.250 x 362 mm</p> | Heating only | 4 | - | 1~230 V, 20A | EDLA04EV3 | 17.961,- |
| | | 6 | - | 1~230 V, 20A | EDLA06EV3 | 19.957,- |
| | | 8 | - | 1~230 V, 25A | EDLA08EV3 | 22.881,- |
| | | 4 | 3 | 1~230 V, 20A | EDLA04E3V3 | 18.594,- |
| | | 6 | 3 | 1~230 V, 20A | EDLA06E3V3 | 20.661,- |
| | | 8 | 3 | 1~230 V, 25A | EDLA08E3V3 | 23.584,- |
| | Heating and cooling | 4 | - | 1~230 V, 20A | EBLA04EV3 | 19.204,- |
| | | 6 | - | 1~230 V, 20A | EBLA06EV3 | 21.337,- |
| | | 8 | - | 1~230 V, 25A | EBLA08EV3 | 24.317,- |
| | | 4 | 3 | 1~230 V, 20A | EBLA04E3V3 | 19.844,- |
| | | 6 | 3 | 1~230 V, 20A | EBLA06E3V3 | 22.049,- |
| | | 8 | 3 | 1~230 V, 25A | EBLA08E3V3 | 25.019,- |

For more Marketing and technical information check:




EBLA



EDLA

*Domestic hot water in combinations with stainless steel tank EKHWS(P)(U)-D and ECH₂O thermal store EKHWP-(P)B.

| | | | | NO BUH | | BUH | | |
|-------------|---|--------------------------------------|-------------|-------------|-------------|-------------|-------------|---------|
| Type | | Type / Order No | H/O | H/C | H/O | H/C | Price Lei | |
| | | | EDLA-E | EBLA-E | EDLA-E3 | EBLA-E3 | | |
| Controllers |  | Madoka Remote user interface, White | BRC1HHDW | <div></div> | <div></div> | <div></div> | <div></div> | 901,- |
| |  | Madoka Remote user interface, Silver | BRC1HHDS | <div></div> | <div></div> | <div></div> | <div></div> | 901,- |
| |  | Madoka Remote user interface, Black | BRC1HHDK | <div></div> | <div></div> | <div></div> | <div></div> | 901,- |
| |  | Wired room thermostat | EKRTWA | <div></div> | <div></div> | <div></div> | <div></div> | 888,- |
| |  | Wireless room thermostat | EKRTRB | <div></div> | <div></div> | <div></div> | <div></div> | 1.790,- |
| |  | Wired digital room thermostat | EKWCTRDIIV3 | <div></div> | <div></div> | <div></div> | <div></div> | 281,- |
| |  | Wired analog room thermostat | EKWCTRAN1V3 | <div></div> | <div></div> | <div></div> | <div></div> | 206,- |
| |  | LAN Adapter (with MMI from v6.8.0) | BRP069A62 | <div></div> | <div></div> | <div></div> | <div></div> | 720,- |
| |  | WLAN module | BRP069A71 | <div></div> | <div></div> | <div></div> | <div></div> | 369,- |
| |  | WLAN cartridge | BRP069A78 | <div></div> | <div></div> | <div></div> | <div></div> | 217,- |
| |  | DCOM gateway I/O version | DCOM-LT/IO | <div></div> | <div></div> | <div></div> | <div></div> | 2.393,- |
| |  | DCOM gateway Modbus version | DCOM-LT/MB | <div></div> | <div></div> | <div></div> | <div></div> | 2.256,- |
| |  | Sequencing Controller | EKCC-W | <div></div> | <div></div> | <div></div> | <div></div> | 5.705,- |
| Adapters |  | Digital I/O PCB | EKRP1HBA | <div></div> | <div></div> | <div></div> | <div></div> | 929,- |
| |  | Demand PCB | EKRP1AHT | <div></div> | <div></div> | <div></div> | <div></div> | 952,- |
| | | Relay for smart grid | EKRELSG | <div></div> | <div></div> | <div></div> | <div></div> | 601,- |

| | | | | NO BUH | | BUH | | Price Lei |
|--------------|---|---|-------------|--------|--------|---------|---------|-----------|
| Type | | Type / Order No | | H/O | H/C | H/O | H/C | |
| | | | | EDLA-E | EBLA-E | EDLA-E3 | EBLA-E3 | |
| Installation |  | Freeze protection valve 1" | AFVALVE1 * | • | • | • | • | 865,- |
| |  | Freeze protection valve 1 1/4" | AFVALVE125 | • | • | • | • | 1.415,- |
| |  | Generic Bizone kit (PCB only) | EKMIKPOA | • | • | • | • | 1.696,- |
| |  | Generic Bizone kit | EKMIKPHA | • | • | • | • | 5.777,- |
| |  | Wired underfloor heating base station | EKWUFHTA1V3 | • | • | • | • | 650,- |
| |  | Valve actuator | EKWCVAT1V3 | • | • | • | • | 109,- |
| |  | Bypass kit | EKMBHBP1 | • | • | • | • | 1.490,- |
| |  | Flow switch | EKFLSW2 | • | • | • | • | 389,- |
| |  | Back-up heater kit | EKLBUEHC6W1 | • | • | • | • | 4.787,- |
| |  | Backup heater switch box | EKBUHSWB | • | • | • | • | 551,- |
| Hydraulics |  | Connection kit for EKHP500(P)B for heating only indoor units | EKEPRHLT5H | • | • | • | • | 1.655,- |
| |  | Connection kit for EKHP500(P)B for reversible only indoor units | EKEPRHLT5X | • | • | • | • | 2.287,- |
| |  | Connection kit for EKHP300(P)B with solar connection. | EKEPRHLT3HX | • | • | • | • | 1.282,- |
| |  | Third party tank kit | EKHY3PART | • | • | • | • | 1.248,- |
| |  | Third party tank kit with built in thermostat | EKHY3PART2 | • | • | • | • | 1.320,- |
| |  | Hydraulic diverter DN 125 | 172900 | • | • | • | • | 3.443,- |
| |  | Thermal insulation for 172900 diverter | 172901 | • | • | • | • | 2.173,- |
| Pump group |  | Pump group with mixer | EKMIKHMAF | • | • | • | • | 3.337,- |
| |  | Pump group without mixer | EKMIKHUAF | • | • | • | • | 2.484,- |

* Two AFVALVE1 are needed per outdoor unit

| | | | | NO BUH | | BUH | | |
|------------------------|---|---|---------------|-------------|-------------|-------------|-------------|---------|
| Type | | Type / Order No | H/O | H/C | H/O | H/C | Price Lei | |
| | | | EDLA-E | EBLA-E | EDLA-E3 | EBLA-E3 | | |
| Additional connections |  | Ferrox magnetic filter without additives | K.FERNOXTF1 | <div></div> | <div></div> | <div></div> | <div></div> | 1.244,- |
| | | Ferrox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1FL | <div></div> | <div></div> | <div></div> | <div></div> | 1.768,- |
| |  | Caleffi sludge and magnetite separator SAS1 | 156021 | <div></div> | <div></div> | <div></div> | <div></div> | 1.614,- |
| | | Caleffi sludge and magnetite separator SAS2 | 156023 | <div></div> | <div></div> | <div></div> | <div></div> | 1.131,- |
| Sensors |  | Optional remote indoor temperature sensor | KRCS01-1 | <div></div> | <div></div> | <div></div> | <div></div> | 662,- |
| |  | Temperature sensor for EKHWS(P)-D | EKTESE1 | <div></div> | <div></div> | <div></div> | <div></div> | 364,- |
| |  | Temperature sensor for EKHWP-(P)B | EKTESE2 | <div></div> | <div></div> | <div></div> | <div></div> | 364,- |
| |  | Optional wired indoor temperature sensor | EKRTETS | <div></div> | <div></div> | <div></div> | <div></div> | 115,- |
| |  | Optional remote outdoor temperature sensor | EKRSC1 | <div></div> | <div></div> | <div></div> | <div></div> | 580,- |
| Others |  | Altherma-to-PC USB interface | EKPCCAB4 | <div></div> | <div></div> | <div></div> | <div></div> | 1.858,- |

Daikin Altherma 3 GEO

Top performance even in coldest climate



The Daikin Altherma ground source heat pump uses geothermal energy and Daikin's inverter heat pump technology to deliver heating and hot water in all climates.



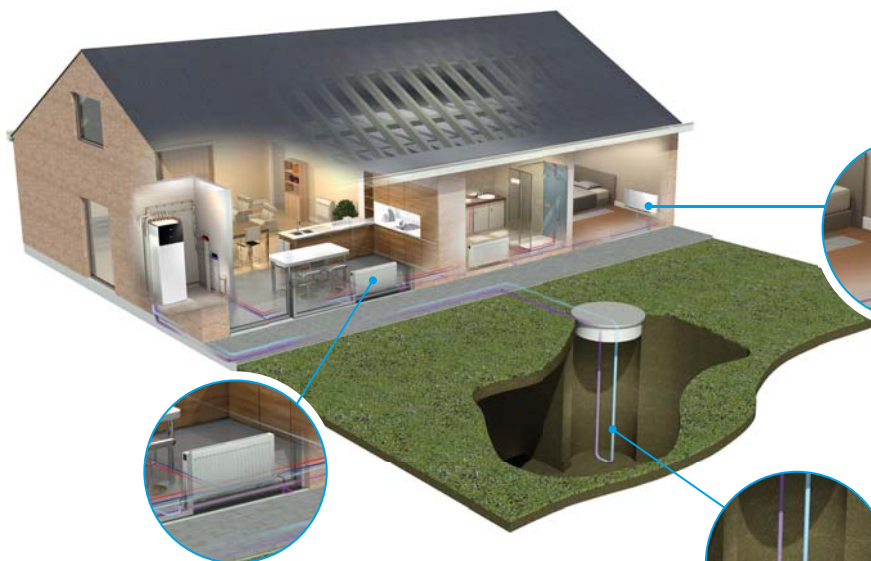
Space heating
During winter



Space cooling
Active cooling with high efficiency



Domestic hot water production
Integrated 180 l stainless steel tank



Daikin Altherma HPC provides heating or cooling for living rooms.

An 80-100 metre borehole in the ground creates a constant inlet temperature.

Leaving water temperature up to 65 °C, so the unit can work with underfloor heating, heat pump convectors but also with radiators.



Renovation and new build

Suitable for renovation: thanks to a high water temperature of 65 °C output, the unit fits with classic radiators.

Suitable for new build: the Daikin Altherma 3 GEO is also combinable with fan coils and underfloor piping.



Electricity savings

The continuous inverter operation allows a high modulation range down to 0,85kW, avoiding the unit to use more electricity to stop and start.

BLUEVOLUTION

Bluevolution technology using R-32, environmentally friendly refrigerant with a lower GWP, reducing its CO₂ equivalent by 70% compared to its predecessor R-410A.



Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue



When the Daikin Eye indicates a blue colour, it means the heat pump is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

Red



When the Daikin Eye indicates a red colour, it means the heat pump is out of commission and requires a maintenance check.



Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit.

Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The user interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.



Removable compressor module,
reducing the overall weight by 70 kg

For more Marketing and technical
information check:



Daikin Altherma 3 GEO

Ground source heat pump
Leaving water temperature up to 65°C

Nomenclature


Example: EGSAH06D9W

| | |
|----|-----------------------------|
| E | European Model outdoor unit |
| GS | Ground source |
| A | refrigerant R32 |
| 06 | Model size (6,10) |
| D | Series |
| 9W | Power supply W = 3 ph |























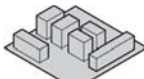

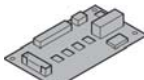














Daikin Altherma 3 GEO

Ground source heat pump, floor standing indoor unit

| Indoor units | | | Class | Tank Liters | Back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|---|---|---------------------|-------|----------------|----------------------|-------------------------|------------------|--------------|
|  | <ul style="list-style-type: none"> Integrated 180 l stainless steel tank High-efficiency circulation pump Expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater and a 3-Way Valve. High modulation range: 0,85-9,6 kW with leaving water temperature up to 65°C. MMI user Interface is included. | Heating only | 6 | 180 | 9 | 1~230 V / 3~400 V | EGSAH06D9W | 44.984,- |
| | | | 10 | 180 | 9 | 1~230 V / 3~400 V | EGSAH10D9W | 57.487,- |
| | | Heating and cooling | 6 | 180 | 9 | 1~230 V / 3~400 V | EGSAX06D9W | 47.646,- |
| | | | 10 | 180 | 9 | 1~230 V / 3~400 V | EGSAX10D9W | 60.147,- |

Dimensions (H x W x D)
1.891 x 597 x 666 mm

| Type | | Type / Order No | Altherma 3 Geo | Price Lei | |
|-------------|---|---|----------------|---|---------|
| Controllers |  | Madoka Remote user interface, White | BRC1HHDW |  | 901,- |
| |  | Madoka Remote user interface, Silver | BRC1HHDS |  | 901,- |
| |  | Madoka Remote user interface, Black | BRC1HHDK |  | 901,- |
| |  | Wired room thermostat | EKRTWA |  | 888,- |
| |  | Wireless room thermostat | EKRTRB |  | 1.790,- |
| |  | DCOM gateway I/O version | DCOM-LT/IO |  | 2.393,- |
| |  | DCOM gateway Modbus version | DCOM-LT/MB |  | 2.256,- |
| |  | Sequencing Controller | EKCC-W |  | 5.705,- |
| Sensors |  | Optional remote indoor temperature sensor | KRCS01-1 |  | 662,- |
| |  | Optional wired indoor temperature sensor | EKRTETS |  | 115,- |
| |  | Optional remote outdoor temperature sensor | EKRSC1 |  | 580,- |
| Adapter |  | Digital I/O PCB | EKRP1HBA |  | 929,- |
| |  | Demand PCB | EKRP1AHT |  | 952,- |
| Accessories |  | Fernox magnetic filter without additives | K.FERNOXTF1 |  | 1.244,- |
| | | Fernox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1FL |  | 1.768,- |
| |  | Altherma-to-PC USB interface | EKPCCAB4 |  | 1.858,- |
| |  | BUH wire harness | EKGSPWCAB |  | 476,- |
| |  | Current sensor | EKCSSENS |  | 2.247,- |
| |  | Ground source filling kit | KGSFILL2 |  | 1.103,- |

Daikin Altherma

Hybrid heat pump



Why choose a Daikin Altherma Hybrid heat pump?

The Daikin Altherma Hybrid heat pump is the ideal solution to replace your old gas boiler.



Comfort

Heating

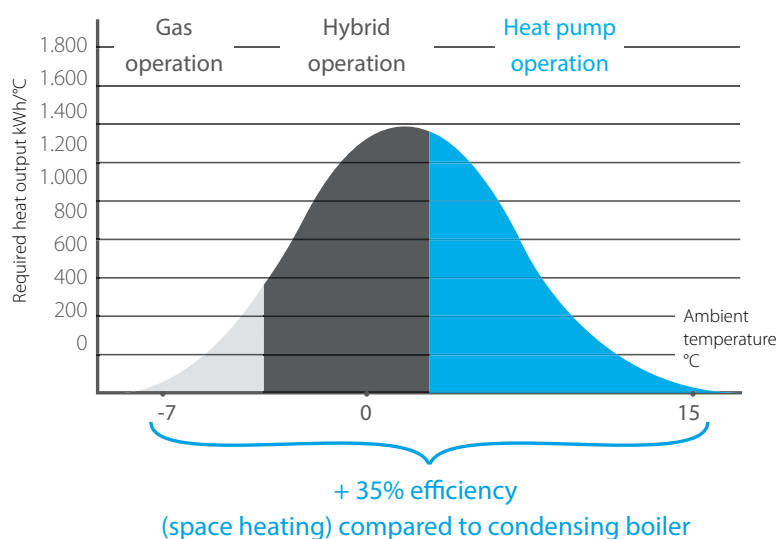
A Daikin Altherma Hybrid heat pump automatically determines the most economic and energy efficient heating combination.

- › **Heat pump operation:** the best available technology for optimising running costs at moderate outdoor temperatures
- › **Hybrid operation:** both the gas boiler and heat pump operate simultaneously to deliver the ultimate comfort for your customer
- › **Gas operation:** when outdoor temperatures drastically drop, the unit will automatically switch to gas operation mode

For more Marketing and technical information check:



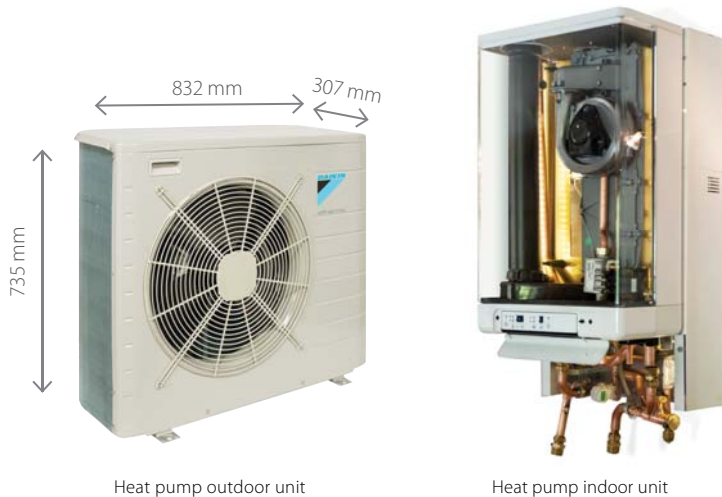
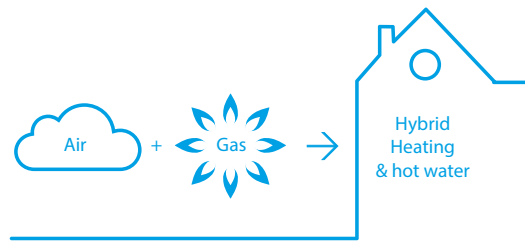
Illustration of an average European climate



- › Heat load: 14 kW
- › 70% heat pump output
- › 30% gas boiler output

Heat load = the capacity of the space heating system required to maintain comfortable indoor temperatures

at any time
Required heat output =
heat load x n° of
occurring hours per year



Hot water

The gas condensing boiler's dual heat exchanger increases hot water efficiency by up to 15% when compared with traditional gas boilers.

Cooling

Incorporate cooling for a total solution that integrates seamlessly with underfloor heating or radiators.

Quick and easy installation

As the heat pump indoor unit and gas condensing boiler are delivered as separate units, they are easier to handle, operate and install.

Investment benefits

- › Combines with existing radiators; reducing the cost and disruption of installations
- › Coverage of heat loads up to 27 kW makes this unit ideal for renovation applications
- › Possible to connect to photovoltaic solar panels to optimise self-consumption of the electricity produced



✓ Energy efficiency

The ideal combination

Depending on the outdoor temperature, energy prices and the internal heat load, the Daikin Altherma Hybrid heat pump smartly chooses between the heat pump and/or the gas boiler, possibly in simultaneous operation, and always selects the most economic operation mode.

Supported by renewable energy

When working in heat pump mode, the system is powered by renewable energy extracted from the air and can achieve up to **A++ energy efficiency**.

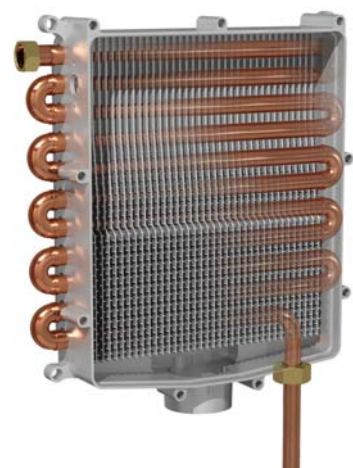
Hot water produced with gas condensing technology

Unique dual heat exchanger increases efficiency up to 15% compared to traditional gas boilers.

- › Cold tap water flows directly into the heat exchanger
- › Optimal and continuous condensing of the flue gases during domestic hot water preparation

✓ Reliability

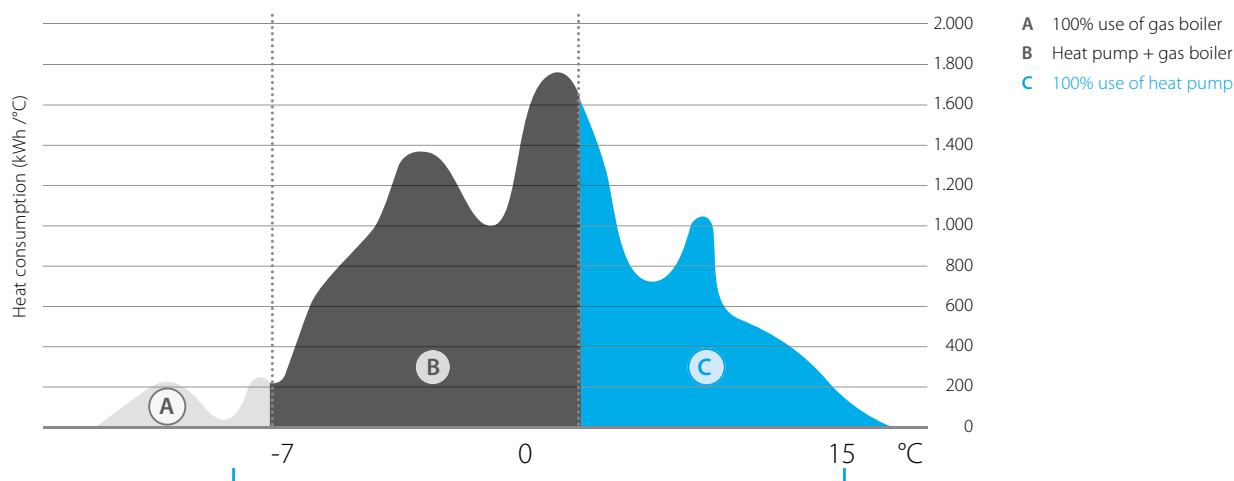
- › Low investment cost with no need to replace existing piping and radiators
- › Low running costs for heating and domestic hot water
- › Compact dimensions
- › Ideal for renovation applications
- › Easy and fast installation



Case study

Replacing a gas boiler with a Daikin Altherma Hybrid heat pump means saving on running costs for both space heating and domestic hot water supply.

A running costs comparison is made below based on parameters for a typical Belgian winter. As a result of the Hybrid principle, the most cost-efficient operation will be used no matter the ambient outdoor temperature.



+35% efficiency (space heating) compared to existing condensing gas boiler

| | Daikin altherma Hybrid heat pump | New gas condensing boiler | Existing gas condensing boiler |
|--------------------------------|----------------------------------|---------------------------|--------------------------------|
| Space heating | | | |
| Energy supplied by HP | 12.800 kWh | | |
| HP efficiency | 3,64 Scop | | |
| Energy supplied by gas boiler | 6.700 kWh | 19.500 kWh | 19.500 kWh |
| Space heating efficiency | 90% | 90% | 75% |
| Running costs | 1.220 Lei | 1.520 Lei | 1.820 Lei |
| DHW HEATING | | | |
| Energy supplied by gas boiler* | 3.000 kWh | 3.000 kWh | 3.000 kWh |
| DHW heating efficiency* | 90% | 80% | 65% |
| Running costs* | 230 Lei | 260 Lei | 320 Lei |
| TOTAL | | | |
| Running costs | 1.450 Lei | 1.780 Lei | 2.140 Lei |

Conditions

| | |
|---|---------------|
| Heat load | 16 kW |
| Design temperature | -8 °C |
| Space heating off temperature | 16 °C |
| Maximum water temperature | 60 °C |
| Minimum water temperature | 38 °C |
| Gas price | 0,070 Lei/kWh |
| Electricity price (day) | 0,237 Lei/kWh |
| Electricity price (night) | 0,152 Lei/kWh |
| Total space heating requirement | 19.500 kWh |
| Total DHW heating requirement (4 persons) | 3.000 kWh |

* for combi-boiler, no separate domestic hot water tank

➔ Yearly savings:
for space heating and domestic hot water

-19% versus new gas condensing boiler

330 Lei/year

-32% versus existing gas condensing boiler

690 Lei/year

Daikin Altherma R Hybrid

+ multi



The Daikin Altherma Hybrid heat pump can also be combined with an air-to-air multi system to provide optimal cooling. Easily installed and managed via an app on a smartphone or tablet, the Daikin Altherma Hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.

→ Multi features

- ✓ Equipped with Bluevolution technology
- ✓ 3, 4 and 5 ports for multi outdoor units
- ✓ Combinable with different Split & Sky Air indoor units:
One port can be used for hot water production

Control with Onecta app



BLUEEVOLUTION

For more Marketing and technical information check:

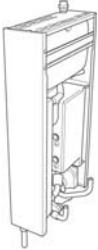
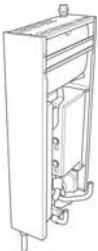




Daikin Altherma R Hybrid

Heat pump leaving water temperature up to 55°C.

Gas boiler leaving water temperature up to 80°C.




| Unit | | Type / Order No | Price Lei |
|---|---|------------------------------|------------------------------------|
|  | Daikin Altherma R Hybrid indoor Heat Pump unit Heat pump indoor unit for combination with Daikin Altherma R Hybrid gas condensing unit. Hydraulically equipped with high-efficiency pump, expansion vessel, safety module and valve, flow monitor, dirt trap and condensate pan. Cover plate accessory is optional. For cooling operation, drain pan kit is mandatory. Mandatory EKRUCBL* user Interface is not included, must be ordered separately. Dimensions (H x W x D): 902* x 450 x 164 mm * Total height with automatic air bleeder and connecting lines: 1.075 mm | | |
| | Heating only EHYHBH 05 kW Heat Pump unit EHYHBH 08 kW Heat Pump unit | EHYHBH05AV32 EHYHBH08AV32 | 7.871,- 8.271,- |
| | Heating and cooling EHYHBX 08 kW Heat Pump unit | EHYHBX08AV3 | 8.375,- |
| | | | |
|  | Daikin Altherma R Hybrid Multi+ indoor Heat Pump unit Heat pump indoor unit for combination with Daikin Altherma R Hybrid gas condensing unit and Daikin Multi outdoor units. Hydraulically equipped with high-efficiency pump, expansion vessel, safety module and valve, flow monitor, dirt trap and condensate pan. Cover plate accessory is optional. Mandatory EKRUCBL* user Interface is not included, must be ordered separately. Dimensions (H x W x D): 902* x 450 x 164 mm * Total height with automatic air bleeder and connecting lines: 1.075 mm | | |
| | Heating only CHYHBH 05 kW Heat Pump unit CHYHBH 08 kW Heat Pump unit | CHYHBH05AV32 CHYHBH08AV32 | 7.871,- 8.679,- |
|  | Daikin Altherma R Hybrid indoor Gas Condensing unit Gas combi condensing boiler with a special 2-in-1 heat exchanger for heating and domestic hot water in hygienic continuous flow principle, for natural gas and LPG*, including cover and plumbing connections. *For LPG use, EKH075787 conversion kit is mandatory Dimensions (H x W x D): 710 x 450 x 240 mm EHYKOMB Gas Condensing unit 8,2 - 26,6 kW (80/60°C) | EHYKOMB33AA3 | 8.862,- |
|  | Daikin Altherma R Hybrid split low temperature outdoor unit R-410A split heat pump outdoor unit with an inverter-controlled compressor and extended modulation range. Casing made of weatherproof galvanized sheet steel, primed, resin and powder coated. Leaving water temperature up to 55 °C at high efficiency. Extracts heat from the outdoor air, even at -25°C. Dimensions (H x W x D): 735 x 832 x 307 mm EVLQ-C outdoor unit 05 kW (1~230 V, 16A) EVLQ-C outdoor unit 08 kW (1~230 V, 20A) | EVLQ05CV3 EVLQ08CV3 | 10.144,- 14.236,- |

| | connection index | 3MXM52A9 | 3MXM68A9 | 4MXM68A9 | 4MXM80A9 | 5MXM90A9 | EVLQ05CV3 | EVLQ08CV3 |
|-------------------------------------|------------------|----------|----------|----------|----------|----------|-----------|-----------|
| multi-compatible RA indoor units | 15 | • | • | • | • | • | | |
| | 20 | • | • | • | • | • | | |
| | 25 | • | • | • | • | • | | |
| | 35 | • | • | • | • | • | | |
| | 42 | • | • | • | • | • | | |
| | 50 | • | • | • | • | • | | |
| | 60 | | • | • | • | • | | |
| | 71 | | | | • | • | | |
| CHYHBH05AV32* | 50 | • | • | • | • | • | | |
| CHYHBH08AV32* | 80 | | | | • | • | | |
| EHYHBH05AV32* | 50 | | | | | | • | |
| EHYHBH08AV32* | 80 | | | | | | | • |
| EHYHBX08AV3* | 80 | | | | | | | • |



* All (C/E)HYHB units must be combined with a EHYKOMB33AA3 gas boiler

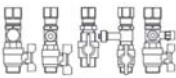


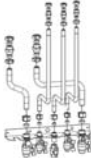




! For a complete multi system, you must order/connect a residential internal unit.

Outdoor unit and accessories








| | Type / Order No. | Price Lei |
|--|------------------|-----------|
|  Low sound cover for outdoor unit 4 – 8 kW Dimensions (WxHxD): 1.190x970x714 mm Sound reduction -3 dB(A) | EKLN08A1 | 11.486,- |
| Outdoor unit drain pan (4-8 kW units) Used to capture condensate dripping from the outdoor unit. | EKDP008C | 1.104,- |
| Outdoor unit drain pan heater kit (4-8 kW units) Drain pan heater kit used to keep the drain pan from freezing. | EKDPH008C | 1.670,- |
| Outdoor unit mounting feet (4-8 kW units) U-beams used to raise the outdoor unit from the mounting surface. | EKFT008CA | 781,- |

Mandatory Accessories

| | Type / Order No. | Price Lei |
|---|--|---|
|  Remote user interface Used as a remote controller or a room thermostat for Altherma LT units Languages: German, French, Italian, Dutch Languages: English, Turkish, Polish, Romanian Languages: German, Czech, Slovenian, Slovak Languages: English, Croatian, Hungarian, Bulgarian Languages: English, German, Russian, Danish | EKRUCBL1 EKRUCBL4 EKRUCBL5 EKRUCBL6 EKRUCBL7 | 675,- 675,- 675,- 675,- 675,- |
|  Fernox sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings | | |
| Fernox magnetic filter without additives Fernox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1 K.FERNOXTF1FL | 1.244,- 1.768,- |

| | Type / Order No. | Price Lei |
|---|------------------|-----------|
|  Valve kit Valves for space heating, domestic hot water an gas connection | EKVK1A | 713,- |
|  Drain pan kit for indoor unit Collect and drain condensate during cooling operation | EKHYDP | 694,- |
|  Cover plate Cover plate for concealing the pipe connections underneath Daikin Altherma R Hybrid | EKHY093467 | 139,- |
|  Hydraulic mounting kit Complete hydraulic mounting kit for Daikin Altherma R Hybrid | EKHYMNT1A | 1.654,- |
|  E-Pac HT hot water switching kit Hot water switching kit for connecting hygienic storage tank (300 l, 500 l) to Daikin Altherma R Hybrid Includes 3-way valve with actuator, storage tank sensor, sensor adapter and cable. For 300 l and 500 l tank (heating and cooling) | EKEPHT3H | 1.730,- |
| Hot water tank connection kit Valve kit for connection to 3rd party tank with built in thermostat | EKHY3PART2 | 1.320,- |
|  Hot water tank connection kit Valve kit for connection to 3rd party tank with sensor pocket | EKHY3PART | 1.248,- |
|  3-way switch valve 1" male 3-way switch valve 1" male thread with motor drive 240 V, switching time 6 sec. including connection cable 2 m. | 3-W SV 156034 | 657,- |
| LPG conversion kit | EKHY075787 | 60,- |
|  Double-walled test adapter, reducing DN 60/100 to DN 80/125 Alternative to 15 50 79.01 44 When using Set GW 1 or Set GW 2 a double-walled reduction piece from DN 80 / 125 to DN 60 / 100, Sleeve DN 80 / 125 is included. | EKHY090717 | 115,- |
| Heat meter (EHYHBH* only) | K.HEATMET | 2.243,- |

Accessories

| | Type / Order No. | Price Lei |
|--|------------------------|------------------|
|  LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection | BRP069A62 BRP069A61 | 720,- 1.104,- |
|  Simplified user interface Can only be used in combination with the main user interface | EKRUCBS | 739,- |
|  Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions | EKRTWA | 888,- |
|  Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions | EKRTRB | 1.790,- |
|  Optional wired indoor temperature sensor Can be used as Screed temperature sensor or Indoor ambient temperature sensor | EKRTETS | 115,- |
|  DCOM gateway I/O version Cascade and control interface for Altherma | DCOM-LT/IO | 2.393,- |
|  DCOM gateway Modbus version Monitoring and control Modbus interface for Altherma | DCOM-LT/MB | 2.256,- |

| Type | Materialname | Price Lei |
|--|-----------------|------------|
| Adapter Flex-Fixed PP 100 | EKFGP6316 | 233,- |
| Adapter Flex-Fixed PP 130 | EKFGS0252 | 300,- |
| Chimney Connection 60/100 | EKFGP4678 | 245,- |
| Chimney Connection 80/125 | EKFGP4828 | 245,- |
| Chimney Connection 60/10 Air Intake Dn. 80 C83 | EKFGV1101 | 882,- |
| Chimney Top PP 100 incl. Flue Pipe | EKFGP5497 | 502,- |
| Chimney Top PP 130 incl. Flue Pipe | EKFGP5197 | 739,- |
| Concentric connection Ø 80/125 | EKHY090717 | 115,- |
| Connector Flex-Flex PP 100 | EKFGP6325 | 207,- |
| Connector Flex-Flex PP 130 | EKFGP6366 | 309,- |
| Connector Flex-Flex PP 80 | EKFGP6324 | 184,- |
| Connection set 60/10-60 Flue/Air intake Dn. 80 C53 | EKFGV1102 | 602,- |
| Eccentric connection Ø 80 | EKHY090707 | 121,- |
| Elbow PP/ALU 80/125 90° | EKFGP4810 | 161,- |
| Elbow PP/GLV 60/100 30° | EKFGP4664 | 207,- |
| Elbow PP/GLV 60/100 45° | EKFGP4661 | 139,- |
| Elbow PP/GLV 60/100 90° | EKFGP4660 | 149,- |
| Elbow PP/GLV 80/125 30° | EKFGP4814 | 207,- |
| Elbow PP MB-AIR 80 90° | EKFGW4085 | 45,- |
| Elbow PP BM-AIR 80 45° | EKFGW4086 | 45,- |
| Extension Flex PP 100 L=10 M | EKFGP6346 | 1.252,- |
| Extension Flex PP 100 L=15 M | EKFGP6349 | 1.878,- |
| Extension Flex PP 100 L=25 M | EKFGP6347 | 3.104,- |
| Extension Flex PP 130 L=30 M | EKFGS0250 | 4.063,- |
| Extension Flex PP 80 L=10 M | EKFGP6340 | 1.033,- |
| Extension Flex PP 80 L=15 M | EKFGP6344 | 1.551,- |
| Extension Flex PP 80 L=25 M | EKFGP6341 | 2.374,- |
| Extension Flex PP 80 L=50 M | EKFGP6342 | 4.428,- |
| Extension PP 60x500 | EKFGP5461 | 49,- |
| Extension PP/GLV 60/100 x 1000mm | EKFGP4652 | 184,- |
| Extension PP/GLV 60/100 x 500mm | EKFGP4651 | 161,- |
| Extension PP/GLV 80/125 x 1000mm | EKFGP4802 | 199,- |
| Extension PP/GLV 80/125 x 500mm | EKFGP4801 | 184,- |
| Extension P BM-Air 80x500 | EKFGW4001 | 54,- |
| Extension P BM-Air 80x1000 | EKFGW4002 | 95,- |
| Extension P BM-Air 80x2000 | EKFGW4004 | 165,- |
| Filling loop set | EKFL1A | 186,- |
| Flex 100-60 + Support Elbow | EKFGP6354 | 703,- |
| Flex 130-60 + Support Elbow | EKFGS0257 | 789,- |
| Flex Kit PP Dn.60-80 | EKFGP1856 | 1.273,- |
| Flex Kit PP Dn.8 | EKFGP2520 | 1.439,- |
| Flue gas non-return flap | EKFGF1A | 251,- |
| Gas conversion kit from G20 to G25 | EKPS076227 | 102,- |
| Meas. Tee with Inspection Panel PP/GLV 60/100 | EKFGP4667 | 514,- |
| Roof Terminal PP/GLV 60/100 AR460 | EKFGP6837 | 383,- |
| Roof Terminal PP/GLV 80/125 AR300 Ral-9011 | EKFGP6864 | 455,- |
| Spacer PP 80-100 | EKFGP6333 | 60,- |
| Support Bracket Top Inox Dn.100 | EKFGP6337 | 108,- |
| Support Bracket Top Inox Dn.130 | EKFGP6353 | 207,- |
| Tee Flex 100 Boiler Connectionset 1 | EKFGP6368 | 960,- |
| Tee Flex 130 Boiler Connectionset 1 | EKFGP6215 | 1.057,- |
| Thermistor recirculator | EKTH2 | 239,- |
| Wall Bracket Dn.100 | EKFGP4481 | 60,- |
| Wall Bracket Dn.100 | EKFGP4631 | 49,- |
| Wall Terminal Kit low profile PP/GLV 60/100 | EKFGP1293 | 449,- |
| Wall Terminal Kit low profile PP/GLV 60/100 | EKFGP2977 | 309,- |
| Wall Terminal Kit PP/GLV 60/100 | EKFGP2978 | 245,- |
| Wall Terminal Kit PP/GLV 60/100 | EKFGP1292 | 375,- |
| Wall Terminal Kit PP/GLV 80/125 | EKFGW6359 | 431,- |
| Weather Slate Flat Alu 60/100 | EKFGP6940 | 161,- |
| Weather Slate Flat Alu 60/100 0°-15° | EKFGP1296 | 346,- |
| Weather Slate Flat Alu 80/125 | EKFGW5333 | 161,- |
| Weather Slate Flat Alu 80/125 0°-15° | EKFGP1297 | 371,- |
| Weather Slate Steep Pb/GLV 60/100 18°-22° | EKFGS0518 | 555,- |
| Weather Slate Steep Pb/GLV 60/100 23°-27° | EKFGS0519 | 555,- |
| Weather Slate Steep Pb/GLV 60/100 43°-47° | EKFGS0523 | 580,- |
| Weather Slate Steep Pb/GLV 60/100 48°-52° | EKFGS0524 | 602,- |
| Weather Slate Steep Pb/GLV 60/100 53°-57° | EKFGS0525 | 616,- |
| Weather Slate Steep Pb/GLV 80/125 18°-22° | EKFGT6300 | 571,- |
| Weather Slate Steep Pb/GLV 80/125 23°-27° | EKFGT6301 | 580,- |
| Weather Slate Steep Pb/GLV 80/125 43°-47° | EKFGT6305 | 616,- |
| Weather Slate Steep Pb/GLV 80/125 48°-52° | EKFGT6306 | 625,- |
| Weather Slate Steep Pb/GLV 80/125 53°-57° | EKFGT6307 | 678,- |
| Weather Slate Steep PF 60/100 25°-45° | EKFGP7910 | 223,- |
| Weather Slate Steep PF 80/125 25°-45° Ral-9011 | EKFGP7909 | 233,- |
| Elbow PP 60/100 90° + MP Generic | DR90ELBO60100AA | on request |
| Wall term Mugro STD 60/100 Telescopic | DRWTERT60100AA | on request |

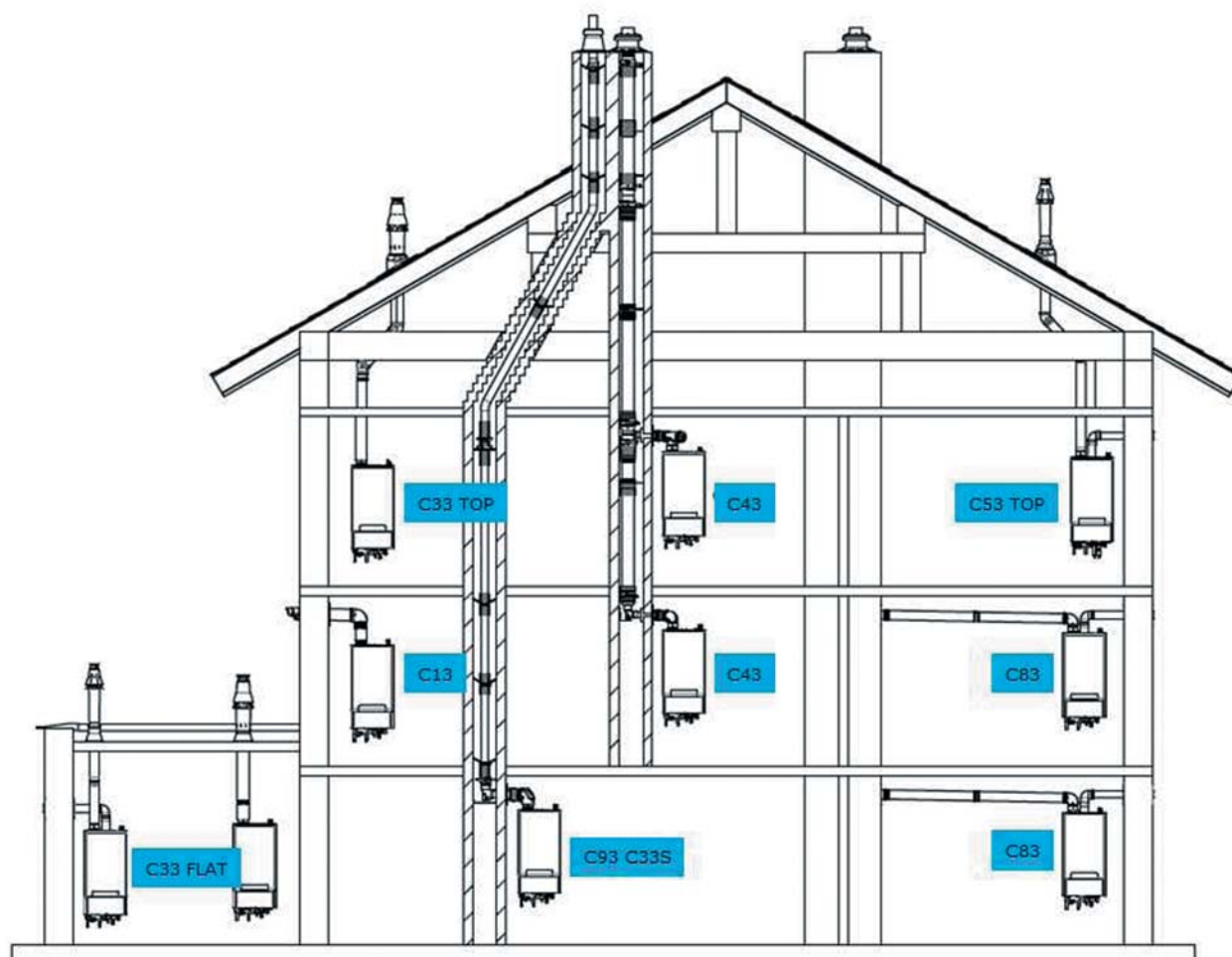
Flue gas connections



Flue-gas evacuation system

Overview of Daikin Altherma R Hybrid

Your guarantee of proper operation, especially in terms of the noise level of our heat generators, depends on the use of our own brand of flue-gas evacuation systems. All our condensing gas- and oil-fired boilers are optimized and adjusted for this use.



1-8 Variants for Daikin Altherma R Hybrid

CA Air (combustion) inlet

FG Flue gas

RV Ventilation

B_{xx} Type CEN/TR1749:2009 for operation dependent on ambient air

C_{xx} Type CEN/TR1749:2009 for suction operation

a Variant for suction connection
(flue gas/concentric air inlet)

b Variant for partial suction connection
(flue gas/separated air inlet)

c Variant for connection dependent on ambient air

d Ventilated vertical flue ducts with fire-resistance duration of 90 minutes (30 minutes for low-rise buildings). Respect the locally applicable standards!

e Ventilation opening (1 x 150 cm² or 2 x 75 cm²)

f Ventilation (150 cm²)

- › All flue-gas ducts approved for condensing operation can be installed – an adapter may be needed
- › Requirements according to EN 14471: Temperature class T 120, pressure class P1, condensate consistence class W, corrosion-resistance class 2



Daikin Altherma 3 C Gas W (D2C/TND*)

Wall mounted gas condensing boiler

Why choose the Daikin gas condensing boiler?

Low weight

27 kg

Connectivity/Cloud Service

Always in control, no matter where you are.

Easy installation and service

All parts are accessible from the front. The gas-adaptive combustion system (Lambda Gx) means lower maintenance and installation time in a minimalist space. The Lambda Gx is compatible with wall mounted and floor standing units.

Solar thermal connection

Usable in combination with solar thermal store (renewable energy)

- › Combi boiler: solar preheating
- › Heating only boiler: solar controller input



Flexible in use

Thanks to IPX5D standard and its compact dimensions, it's possible to install in nearly all room conditions, such as kitchen cupboards, bathroom, utility room, heating room, balcony (in-wall kit).

Modulation 1:8

Capacity adapts to required heat of 4 to 28 kW and 5 to 35 kW.

Daikin eye

Monitor the operating status of your combi boiler with the Daikin Eye.

Unique interface

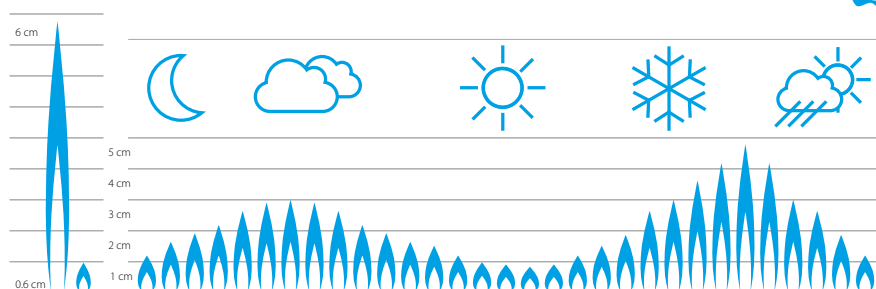
- › Stylish interface appeals to all end-users
- › State-of-the-art technology meets user-friendly design
- › The side details and convex front panel deliver an integrated view

Most compact

12, 18, 24 kW: 400 x 255 x 580 mm
28, 35 kW: 450 x 288 x 666 mm

✓ High modulation rate

The opportunity to adjust the burner power ensures the seamless and continuous operation of the device. Smooth functioning of the system means increased comfort, a low risk for system failure and the ability to neutralise harmful substance emissions that may occur during ignition. Modulation is also automatically provided by the electronic control.



For more Marketing and technical information check:



D2CND-A4A

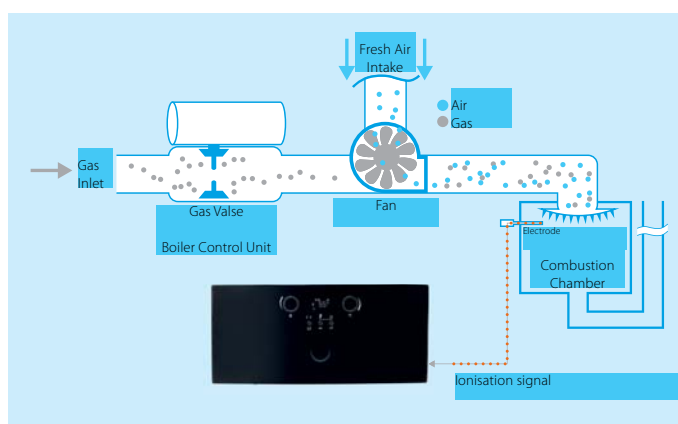


D2TND-A4A.



✓ Lambda Gx: automatic gas adaptation system

With the Lambda GX, the correct combination of air and gas is regulated to achieve efficient combustion, which leads to higher cost savings and less installation and adjustment effort. With Lambda Gx, you have the advantage that you need no other parts like a gas cover to change from natural gas (NG) to liquid gas (LPG).



✓ Daikin Eye

You can monitor the operating status of your combi boiler with the Daikin Eye.



Blue

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.

✓ Product features

Flue Adapter 60/100

- › Factory mounted
- › Compatible with top adapters/elbows of different flue gas manufacturers
- › With measurement wholes for air and flue gas

Heat Exchanger

- › Daikin design
- › Material: Aluminium
- › Modulation:
12-18-24 kW (1:4 - 1:6 - 1:8)
28-35 kW (1:4 - 1:7)

Expansion Vessel

- › Integrated
- › 12-18-24 kW: 8 liters
28-35 kW: 10 liters

Gas Valve

- › Less maintenance needed
- › Automatic gas adaptive system
- › No additional parts/tools for changing from NG to LPG

Domestic Hot Water Plate Heat Exchanger

Increased number of plates to provide faster hot water production at high efficiency including warm start function.

Pump & Return Hydroblock

- › Includes filter and flow restrictor
- › Air vent, drain tap and Internal bypass
- › Low energy pump

Fan

- › Wide modulation range
- › Low noise

✓ Small gas condensing combi boiler

The smallest Combi boiler
(12-18-24 kW)

Lightweight Combi boiler
(28-35 kW)



reddot award 2018
winner

Occupies only
0,06 m³

590 mm

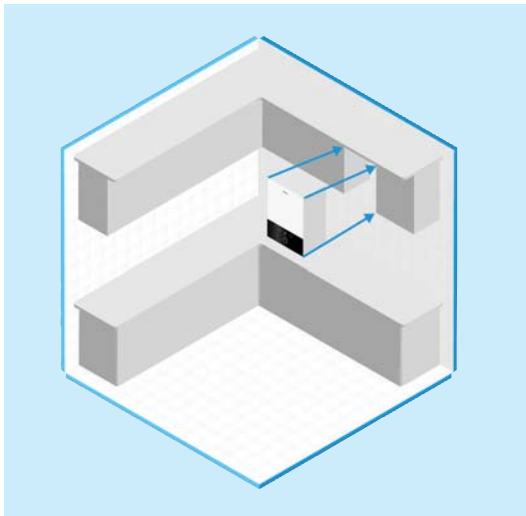


27 kg

690 mm



37 kg



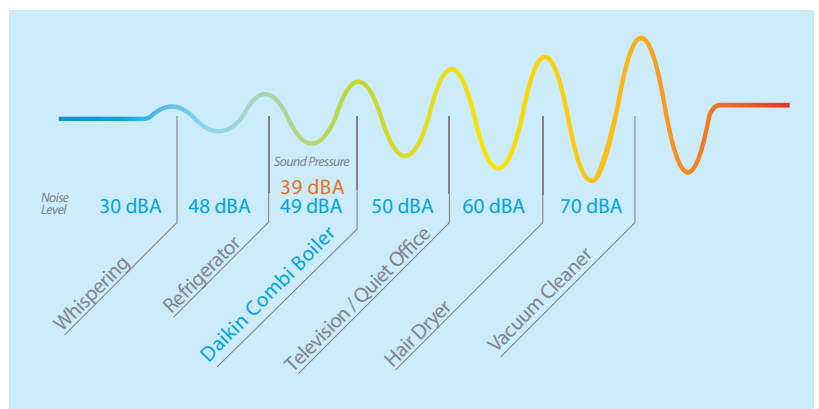
Easy installation & maintenance

The small and lightweight combi boiler guarantees fast installation, minimal maintenance and a flexible system to adapt to various rooms.

Silence

Sound power: 49 db(A): The sound power is the sound level heard when you are close to the unit. The sound level is similar to heating a dishwasher operating in an adjacent room.



Sound Pressure: 39 db(A): The sound pressure is the sound level heard when you are standing 1 meter from the unit. The sound level is akin to the quiet environment of a library.



Daikin Altherma 3 C Gas W













Wall mounted gas condensing boiler
















| Unit | | Type / Order No | Price Lei |
|---|---|-----------------|-----------|
|  | Daikin Altherma 3 C GAS wall mounted gas condensing boiler High efficiency up to 109% with high modulation ratio, 1:4-1:6-1:8 for 12-18-24 kW and 1:4-1:7 for 28-35 kW models. Built in MMI controller, Daikin Eye and Frequency controlled pump. Using Lambda GX and Premix technology. Built in Expansion vessel, 8 liters for 12-18-24 kW and 10 liters for 28-35 kW. DN 60/100 flue gas adapter and non return flap factory mounted. No additional parts needed for usage with LPG. Dimensions (H x W x D) for 12/18/24 kW models: 590 x 400 x 256 mm Dimensions (H x W x D) for 28/35 kW models: 690 x 440 x 295 mm | | |
| | Combi models | | |
| | D2CND 24 kW gas boiler with internal filling loop | D2CND024A1A | 4.683,- |
| | D2CND 28 kW gas boiler with internal filling loop | D2CND028A1A | 5.016,- |
| | D2CND 35 kW gas boiler with internal filling loop | D2CND035A1A | 5.642,- |
| | D2CND 24 kW gas boiler with external filling loop | D2CND024A4A | 4.683,- |
| | D2CND 28 kW gas boiler with external filling loop | D2CND028A4A | 5.016,- |
| | D2CND 35 kW gas boiler with external filling loop | D2CND035A4A | 5.642,- |
| | Tank models | | |
| | D2TND 12 kW gas boiler with external filling loop | D2TND012A4A | 4.072,- |
| | D2TND 18 kW gas boiler with external filling loop | D2TND018A4A | 4.228,- |
| | D2TND 24 kW gas boiler with external filling loop | D2TND024A4A | 4.384,- |
| | D2TND 35 kW gas boiler with external filling loop | D2TND035A4A | 5.249,- |
| | Flue gas kit | DRWTER60100AA | 212,- |
| |  For a complete installation, please do not forget to also order the flue gas KIT, with the DRWTER60100AA code. | | |

*) TND models include the temperature sensor for the boiler.

**) The commissioning for gas boilers has to be done by Service Partners Network.

| | | Type / Order No. | Price Lei |
|---|---|------------------|-----------|
|  | Daikin OpenTherm room thermostat Advanced controller with LAN adapter compatibility | DOTROOMTHEAA | 850,- |
|  | Outdoor temperature sensor | 150042 | 203,- |
|  | Solar temperature sensor | DRSLRTESENSAA | 276,- |
|  | Communication gateway for coupling the controller to the Internet for remote control the heat source via Mobile phones (APP). | DRGATEWAYAA | 776,- |
|  | System control - cascade | | 2.294,- |
|  | Cascade controller (E8.5064 V1) Cascade up to 8 boilers and control two direct or mixed zones. | DRCASCACONTAA | |
|  | Cascade controller (E8.1124) Zones can be increased up to 15 by using this additional zone controllers It can manage two direct or mixed zones (i.e. if additional 4 zone exists 2 x E8 1124 is needed.) If a mixing circuit is used as a direct one, a flow sensor is needed to enable the circuit. | DRZONECCONTAA | 1.956,- |
|  | CoCo OT-CAN adapter Converts OpenTherm communication to CAN communication. In case of cascaded boilers it is needed for every boiler (i.e. if 5 boiler exists 5 x OT/CAN adapter is needed) | DRCOCOADPTRAA | 621,- |
|  | Lago CAN BUS room thermostat Can be connected to each zone,i.e. if 3 zone exists 3 x Lago FB is needed. | DRCBROOMTHEAA | 695,- |
|  | Flow temperature sensor (Cascade) | DRFLWTESENSAA | 107,- |
|  | Outdoor temperature sensor (Cascade) | DRODRTESENSAA | 58,- |
|  | Storage Tank Temperature Sensor (Cascade) | DRSTKTESENSAA | 96,- |

| | | Type / Order No. | Price Lei |
|---|--|--------------------------------|----------------|
|  | Flue-gas connector elbow PP 60/100 +MP (0 mm) | DRMEEA60100BA | 720,- |
|  | Flue-gas twin box adapter 80/80 + MP (0 mm) | DRDECOP8080BA | 850,- |
|  | Flue-gas vertical connector 60/100 - 80/125 + MP (0 mm) | DRDECO80125BA | 741,- |
|  | Cover plate For 12-18-24 kW models For 28-35 kW models | DRCOVERPLATAA DRCOVERPLA2AA | 203,- 286,- |
|  | Freeze protection set for outdoor installations The kit consists of a heating cable and a thermostat | DRANTIFREEZAB | 239,- |
|  | Wall rack for small gas boilers | DRWALLRACK1AA | 123,- |
|  | Valve kit C1 - 90° valves Valve kit without filling loop For combi boiler with internal filling loop | DRVALVEKIC1AA | 741,- |
|  | Valve kit C2 - 90° valves Valve kit with filling loop and thermal shut-off gas valve For combi boilers without internal filling loop | DRVALVEKIC2AA | 741,- |
|  | Valve kit T1 - 90° valves Valve kit with draincock for filling For tank model boilers | DRVALVEKIT1AA | 407,- |
|  | Valve kit T2 - 90° valves Valve kit with draincock for filling and thermal shut-off gas valve For tank model boilers | DRVALVEKIT2AA | 407,- |
|  | Pump group with mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with pressure controlled high-efficiency circulation pump, motor mixer, stops valves and temperature display | MK 156075 | 5.505,- |
|  | Pump group without mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with PWM controlled high-efficiency circulation pump, motor mixer, stops valves and temperature displays. | PK 156077 | 3.919,- |
| | Fittings kit for mixer group MK1/MK2 1" female thread x 1 1/2" flat-sealing | 156053 | 139,- |
|  | Ferrox sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipe work. Includes valves and fittings. | | |
| | Ferrox magnetic filter without additives | K.FERNOXTF1 | 1.244,- |
| | Ferrox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1FL | 1.768,- |



Daikin Altherma C Gas W (D2CNL)

Base model - Wall mounted gas condensing boiler

The new gas condensing boiler D2CNL-A1A integrates what is essential: neat design, ease of use and installation to provide heating and hot water.

Neat design

The product enjoys the black and white design DNA introduced with the third generation of Daikin Altherma products. Its dimensions and weight make it one of the most compact product of its category.

All-in-one comfort

The product provides space heating and instantaneous domestic hot water without tank, both with an A energy label.



As simple as A+B

The product is really simple to control via its interface. It is also very easy to install and service since all parts are available from the front.



For more Marketing and technical information check:











Daikin Altherma 3 C Gas W

Wall mounted gas condensing boiler

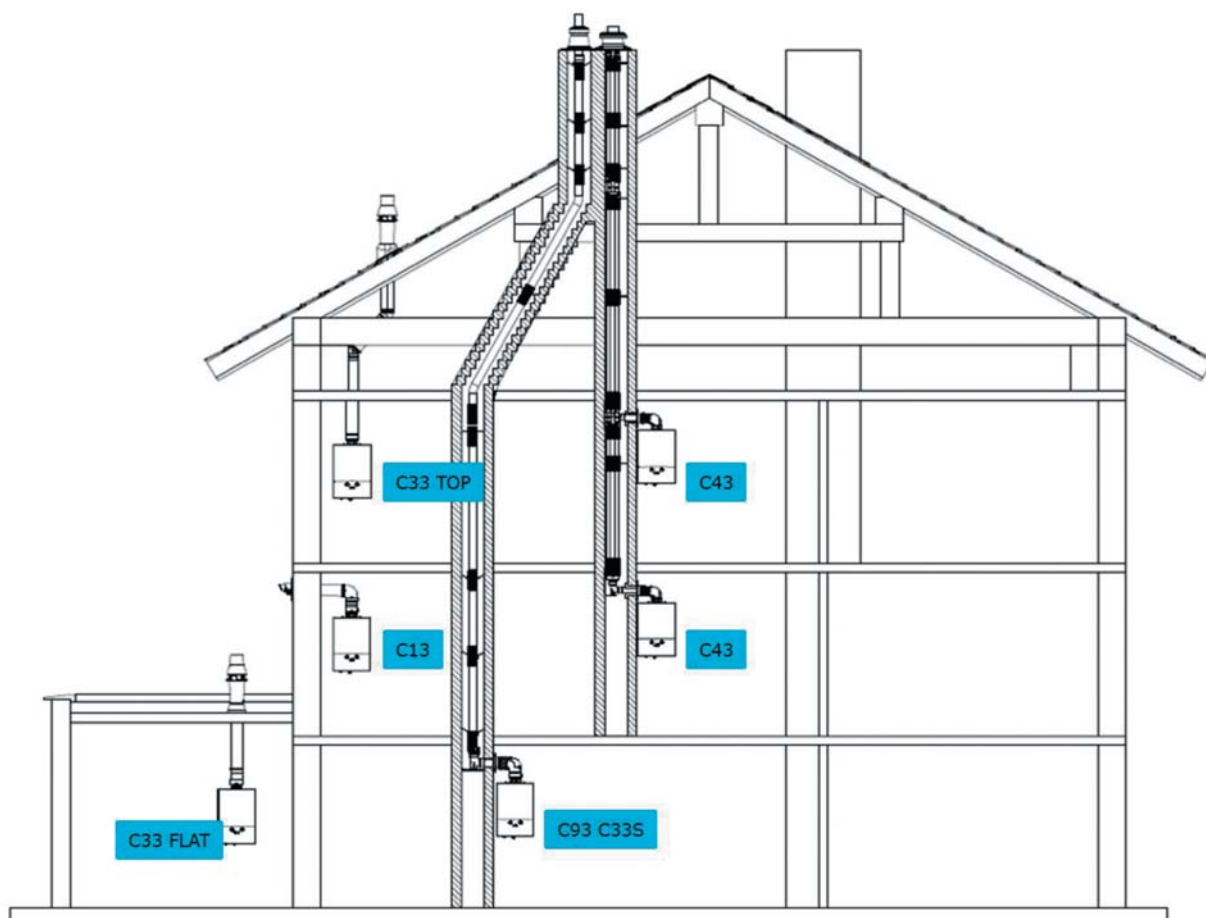
Base model



| Unit | | Type / Order No | Price Lei |
|--|---|-----------------|------------|
|  | Daikin Altherma 3 C GAS wall mounted base gas condensing boiler High efficiency up to 107% with 1:5 modulation ratio. Pneumatic combustion technology. Compact unit with built in 7 liter expansion vessel, LCD control interface and freeze protection for water piping. NG only. Not compatible with LAN adapter. Dimensions (H x W x D): 590 x 400 x 256 mm | | |
| | Combi model D2CNL 24 kW gas boiler with internal filling loop | D2CNL024A1A | on request |
| | Flue gas kit  For a complete installation, please do not forget to also order the flue gas KIT, with the DRWTER60100AA code. | DRWTER60100AA | 212,- |

| Category | Description | Type / Order No. | Price Lei |
|---------------------|--|------------------|-----------|
| Flue gas |  Connector Elbow PP 60/100 + MP(0 mm) | DRMEEA60100BA | 720,- |
| |  Twin Box Adapter 80/80 + MP(0 mm) | DRDECOP8080BA | 850,- |
| |  Vert. Conn. 60/100-80/125 + MP(0 mm) | DRDECO80125BA | 741,- |
| Mechanical |  Cover plate (12-18-24 kW) | DRCOVERPLATAA | 203,- |
| | Antifreezing set | DRANTIFREEZAB | 239,- |
| |  Wall rack for small gas boilers | DRWALLRACK1AA | 123,- |
| Valve kit | Valve Kit C1 - 90° valves | DRVALVEKIC1AA | 741,- |
| Pump Groups & Other |  Fernox magnetic filter without additives | K.FERNOXTF1 | 1.244,- |
| | Fernox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1FL | 1.768,- |

Overview of Daikin Altherma 3 C Gas W



Selection tool



















You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations. You can also opt to make your selection online using our tool at <http://fluegas.daikin.eu>


















Flue-gas evacuation system

















C13, C33 60/100

| Material name | Description | Price Lei |
|--|---|-----------|
|  EKFGP6837 | Roof Terminal PP/GLV 60/100 AR460 | 383,- |
|  EKFGS0518 | Weather Slate Steep Pb/GLV 60/100 18°-22° | 555,- |
|  EKFGS0519 | Weather Slate Steep Pb/GLV 60/100 23°-27° | 555,- |
|  EKFGP7910 | Weather Slate Steep PF 60/100 25°-45° | 223,- |
|  EKFGS0523 | Weather Slate Steep Pb/GLV 60/100 43°-47° | 580,- |
|  EKFGS0524 | Weather Slate Steep Pb/GLV 60/100 48°-52° | 602,- |
|  EKFGS0525 | Weather Slate Steep Pb/GLV 60/100 53°-57° | 616,- |
|  EKFGP1296 | Weather Slate Flat Alu 60/100 0°-15° | 346,- |
|  EKFGP6940 | Weather Slate Flat Alu 60/100 | 161,- |
|  EKFGP2978 | Kit horizontal PP/GLV 60/100 | 245,- |
|  EKFGP2977 | Kit horizontal low profile PP/GLV 60/100 | 309,- |
|  EKFGP4651 | Extension PP/GLV 60/100 x 500mm | 161,- |
|  EKFGP4652 | Extension PP/GLV 60/100 x 1.000mm | 184,- |
|  EKFGP4664 | Elbow PP/GLV 60/100 30° | 207,- |
|  EKFGP4661 | Elbow PP/GLV 60/100 45° | 139,- |
|  EKFGP4660 | Elbow PP/GLV 60/100 90° | 149,- |
|  EKFGP4667 | Meas. Tee with Inspection Panel PP/GLV 60/100 | 514,- |
|  EKFGP4631 | Fixation / Wall Bracket Dn.100 | 49,- |















C93,C33S 60/100

| Material name | Description | Price Lei |
|--|---|-----------|
|  EKFGP4678 | Chimney Connection 60/100 | 245,- |
|  EKFGP1856 | Flex Kit PP Dn.60-80 | 1.273,- |
|  EKFGP6340 | Extension Flex PP 80 L=10 M | 1.033,- |
|  EKFGP6324 | Connector Flex-Flex PP 80 | 184,- |
|  EKFGP4661 | Elbow PP/GLV 60/100 45° | 139,- |
|  EKFGP4660 | Elbow PP/GLV 60/100 90° | 149,- |
|  EKFGP6333 | Spacer PP 80-100 | 60,- |
|  EKFGP4667 | Meas. Tee with Inspection Panel PP/GLV 60/100 | 514,- |
|  EKFGP4631 | Fixation / Wall Bracket Dn.100 | 49,- |
|  EKFGP6341 | Extension Flex PP 80 L=25 M | 2.374,- |
|  EKFGP4651 | Extension PP/GLV 60/100 x 500mm | 161,- |
|  EKFGP4664 | Elbow PP/GLV 60/100 30° | 207,- |
|  EKFGP6342 | Extension Flex PP 80 L=50 M | 4.428,- |
|  EKFGP4652 | Extension PP/GLV 60/100 x 1.000mm | 184,- |
|  EKFGP6344 | Extension Flex PP 80 L=15 M | 1.551,- |

C13, C33 80/125



















| Material name | Description | Price Lei |
|--|--|-----------|
|  EKFGP6864 | Roof Terminal PP/GLV 80/125 AR300 Ral-9011 | 455,- |
|  EKFGT6300 | Weather Slate Steep Pb/GLV 80/125 18°-22° | 571,- |
|  EKFGT6301 | Weather Slate Steep Pb/GLV 80/125 23°-27° | 580,- |
|  EKFGP7909 | Weather Slate Steep PF 80/125 25°-45° Ral-9011 | 233,- |
|  EKFGT6305 | Weather Slate Steep Pb/GLV 80/125 43°-47° | 616,- |
|  EKFGT6306 | Weather Slate Steep Pb/GLV 80/125 48°-52° | 625,- |
|  EKFGT6307 | Weather Slate Steep Pb/GLV 80/125 53°-57° | 678,- |
|  EKFGP1297 | Weather Slate Flat Alu 80/125 0°-15° | 371,- |
|  EKFGW5333 | Weather Slate Flat Alu 80/125 | 161,- |
|  EKFGW6359 | Wall Terminal Kit PP/GLV 80/125 | 431,- |
|  EKFGP4801 | Extension PP/GLV 80/125 x 500mm | 184,- |
|  EKFGP4802 | Extension PP/GLV 80/125 x 10.000mm | 199,- |
|  EKFGP4814 | Elbow PP/GLV 80/125 30° | 207,- |
|  EKFGP4811 | Elbow PP/ALU 80/125 45° | 161,- |
|  EKFGP4810 | Elbow PP/ALU 80/125 90° | 161,- |
|  EKFGP4481 | Fixation / Wall Bracket Dn.125 | 60,- |

C93,C33S 80/125

















| Material name | Description | Price Lei |
|--|------------------------------------|-----------|
|  EKFGP6340 | Extension Flex PP 80 L=10 M | 1.033,- |
|  EKFGP4828 | Chimney Connection 80/125 | 245,- |
|  EKFGP2520 | Flex Kit PP Dn.80 | 1.439,- |
|  EKFGP6324 | Connector Flex-Flex PP 80 | 184,- |
|  EKFGP4811 | Elbow PP/ALU 80/125 45° | 161,- |
|  EKFGP6333 | Spacer PP 80-100 | 60,- |
|  EKFGP6341 | Extension Flex PP 80 L=25 M | 2.374,- |
|  EKFGP4801 | Extension PP/GLV 80/125 x 500mm | 184,- |
|  EKFGP4810 | Elbow PP/ALU 80/125 90° | 161,- |
|  EKFGP4481 | Fixation / Wall Bracket Dn.125 | 60,- |
|  EKFGP4802 | Extension PP/GLV 80/125 x 10.000mm | 199,- |
|  EKFGP4814 | Elbow PP/GLV 80/125 30° | 207,- |
|  EKFGP6344 | Extension Flex PP 80 L=15 M | 1.551,- |
|  EKFGP6342 | Extension Flex PP 80 L=50 M | 4.428,- |

Flue-gas evacuation system


















C43 DN.100

| | Material name | Description | Price Lei |
|---|---------------|---|-----------|
|  | EKFGP6354 | Flex 100-60 + Support Elbow | 703,- |
|  | EKFGP6368 | Tee Flex 100 Boiler Connectionset 1 | 960,- |
|  | EKFGP5461 | Chimney Connection 60/100 | 49,- |
|  | EKFGP4678 | Chimney Connection 60/100 | 245,- |
|  | EKFGP5497 | Chimney Top PP 100 incl. Flue Pipe | 502,- |
|  | EKFGP6316 | Adapter Flex-Fixed PP 100 | 233,- |
|  | EKFGP4667 | Meas. Tee with Inspection Panel PP/GLV 60/100 | 514,- |
|  | EKFGP6325 | Connector Flex-Flex PP 100 | 207,- |
|  | EKFGP6346 | Extension Flex PP 100 L=10 M | 1.252,- |
|  | EKFGP6337 | Support Bracket Top Inox Dn.100 | 108,- |
|  | EKFGP4660 | Elbow PP/GLV 60/100 90° | 149,- |
|  | EKFGP4661 | Elbow PP/GLV 60/100 45° | 139,- |
|  | EKFGP4651 | Extension PP/GLV 60/100 x 500mm | 161,- |
|  | EKFGP4664 | Elbow PP/GLV 60/100 30° | 207,- |
|  | EKFGP4631 | Fixation / Wall Bracket Dn.100 | 49,- |
|  | EKFGP4652 | Extension PP/GLV 60/100 x 1.000mm | 184,- |
|  | EKFGP6349 | Extension Flex PP 100 L=15 M | 1.878,- |
|  | EKFGP6347 | Extension Flex PP 100 L=25 M | 3.104,- |







C43 DN.130

| | Material name | Description | Price Lei |
|---|---------------|---|-----------|
|  | EKFGP4678 | Chimney Connection 60/100 | 245,- |
|  | EKFGP5197 | Chimney Top PP 130 incl. Flue Pipe | 739,- |
|  | EKFGP5461 | Chimney Connection 60/100 | 49,- |
|  | EKFGP6215 | Tee Flex 130 Boiler Connectionset 1 | 1.057,- |
|  | EKFGP6366 | Connector Flex-Flex PP 130 | 309,- |
|  | EKFGS0257 | Flex 130-60 + Support Elbow | 789,- |
|  | EKFGS0252 | Adapter Flex-Fixed PP 130 | 300,- |
|  | EKFGP6353 | Support Bracket Top Inox Dn.130 | 207,- |
|  | EKFGS0250 | Extension Flex PP 130 L=30 M | 4.063,- |
|  | EKFGP4667 | Meas. Tee with Inspection Panel PP/GLV 60/100 | 514,- |
|  | EKFGP4661 | Elbow PP/GLV 60/100 45° | 139,- |
|  | EKFGP4660 | Elbow PP/GLV 60/100 90° | 149,- |
|  | EKFGP4652 | Extension PP/GLV 60/100 x 1.000mm | 184,- |
|  | EKFGP4664 | Elbow PP/GLV 60/100 30° | 207,- |
|  | EKFGP4651 | Extension PP/GLV 60/100 x 500mm | 161,- |
|  | EKFGP4631 | Fixation / Wall Bracket Dn.100 | 49,- |









C53

| | Material name | Description | Price Lei |
|---|---------------|--|-----------|
|  | EKFGP4651 | Extension PP/GLV 60/100 x 500mm | 161,- |
|  | EKFGP6837 | Roof Terminal PP/GLV 60/100 AR460 | 383,- |
|  | EKFGW4085 | Elbow PP MB-AIR 80 90° | 45,- |
|  | EKFGP4661 | Elbow PP/GLV 60/100 45° | 139,- |
|  | EKFGP4652 | Extension PP/GLV 60/100 x 1.000mm | 184,- |
|  | EKFGV1102 | Connection set 60/10-60 Flue/Air intake Dn. 80 C53 | 602,- |
|  | EKFGP4661 | Elbow PP/GLV 60/100 45° | 139,- |
|  | EKFGW4001 | Extension P BM-Air 80x500 | 54,- |
|  | EKFGP7910 | Weather Slate Steep PF 60/100 25°-45° | 223,- |
|  | EKFGS0519 | Weather Slate Steep Pb/GLV 60/100 23°-27° | 555,- |
|  | EKFGP4664 | Elbow PP/GLV 60/100 30° | 207,- |
|  | EKFGP4667 | Meas. Tee with Inspection Panel PP/GLV 60/100 | 514,- |
|  | EKFGS0525 | Weather Slate Steep Pb/GLV 60/100 53°-57° | 616,- |
|  | EKFGS0518 | Weather Slate Steep Pb/GLV 60/100 18°-22° | 555,- |
|  | EKFGS0523 | Weather Slate Steep Pb/GLV 60/100 43°-47° | 580,- |
|  | EKFGP4660 | Elbow PP/GLV 60/100 90° | 149,- |
|  | EKFGS0524 | Weather Slate Steep Pb/GLV 60/100 48°-52° | 602,- |

C53

| | Material name | Description | Price Lei |
|---|---------------|--------------------------------------|-----------|
|  | EKFGP4631 | Fixation / Wall Bracket Dn.100 | 49,- |
|  | EKFGW4002 | Extension P BM-Air 80x1.000 | 95,- |
|  | EKFGW4004 | Extension P BM-Air 80x2.000 | 165,- |
|  | EKFGP6940 | Weather Slate Flat Alu 60/100 | 161,- |
|  | EKFGW4086 | Elbow PP BM-AIR 80 45° | 45,- |
|  | EKFGP1296 | Weather Slate Flat Alu 60/100 0°-15° | 346,- |

C83

| | Material name | Description | Price Lei |
|---|---------------|--|-----------|
|  | EKFGV1101 | Chimney Connection 60/10 Air Intake Dn. 80 C83 | 882,- |
|  | EKFGP4652 | Extension PP/GLV 60/100 x 1.000mm | 184,- |
|  | EKFGP4660 | Elbow PP/GLV 60/100 90° | 149,- |
|  | EKFGW4085 | Elbow PP MB-AIR 80 90° | 45,- |
|  | EKFGP4631 | Fixation / Wall Bracket Dn.100 | 49,- |
|  | EKFGP4651 | Extension PP/GLV 60/100 x 500mm | 161,- |
|  | EKFGP4652 | Extension PP/GLV 60/100 x 1.000mm | 184,- |
|  | EKFGP4661 | Elbow PP/GLV 60/100 45° | 139,- |

New generation of domestic water heat pumps

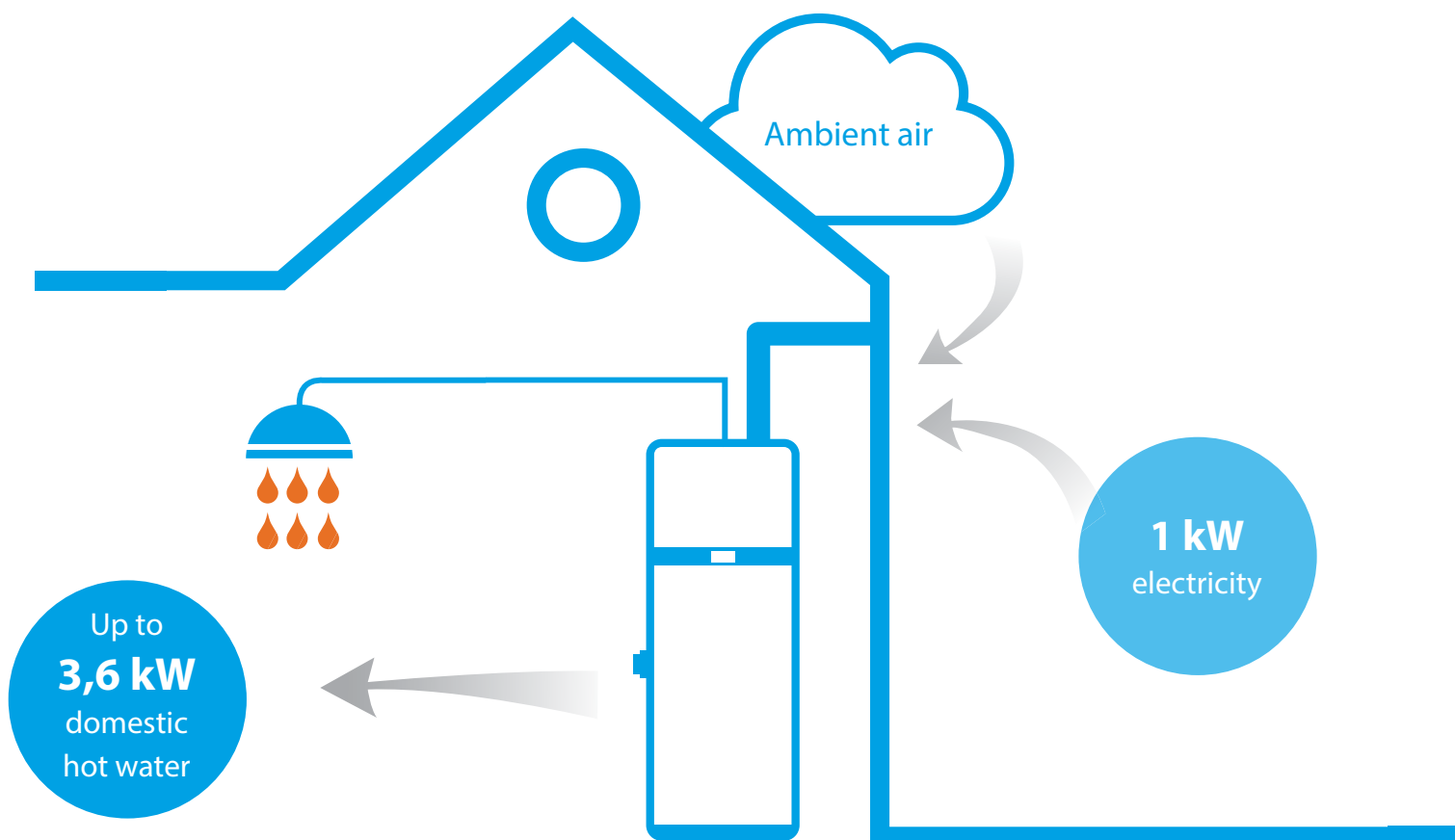


Why choose Daikin Altherma domestic hot water heat pump?

How does it work?

The system is made of a singly indoor unit that extracts energy from the air to provide domestic hot water. The unit collects up to 60% of its energy in the air, while the rest is provided by electricity.

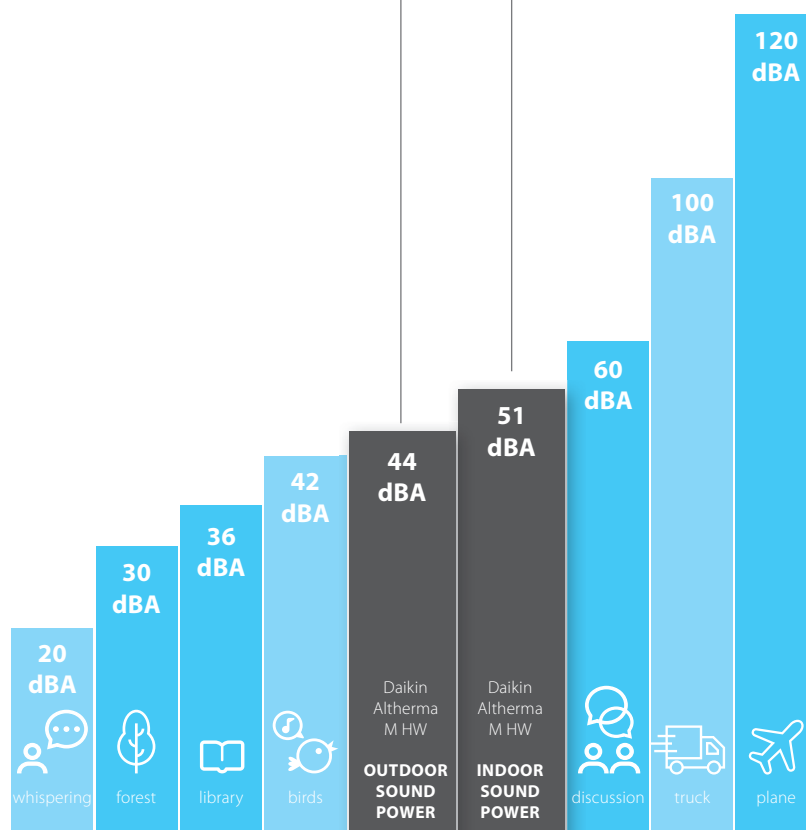
This heat pump relies on a compressor and a refrigerant to transfer the energy from the air to the water, heating the water up to your needs and delivering it into your house.





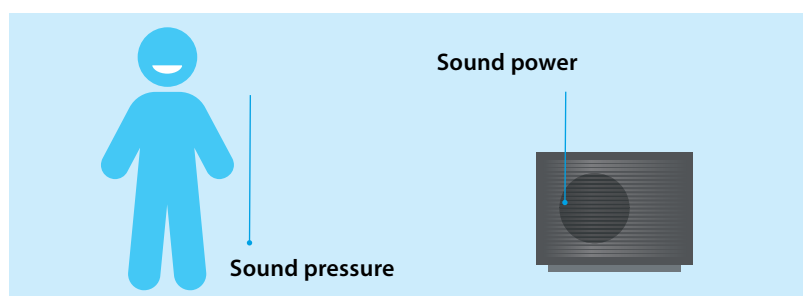
Remarkably quiet

With a sound power of 51dB(A) indoor, and 44dB(A) outdoor, it is one of the most silent domestic hot water heat pumps.

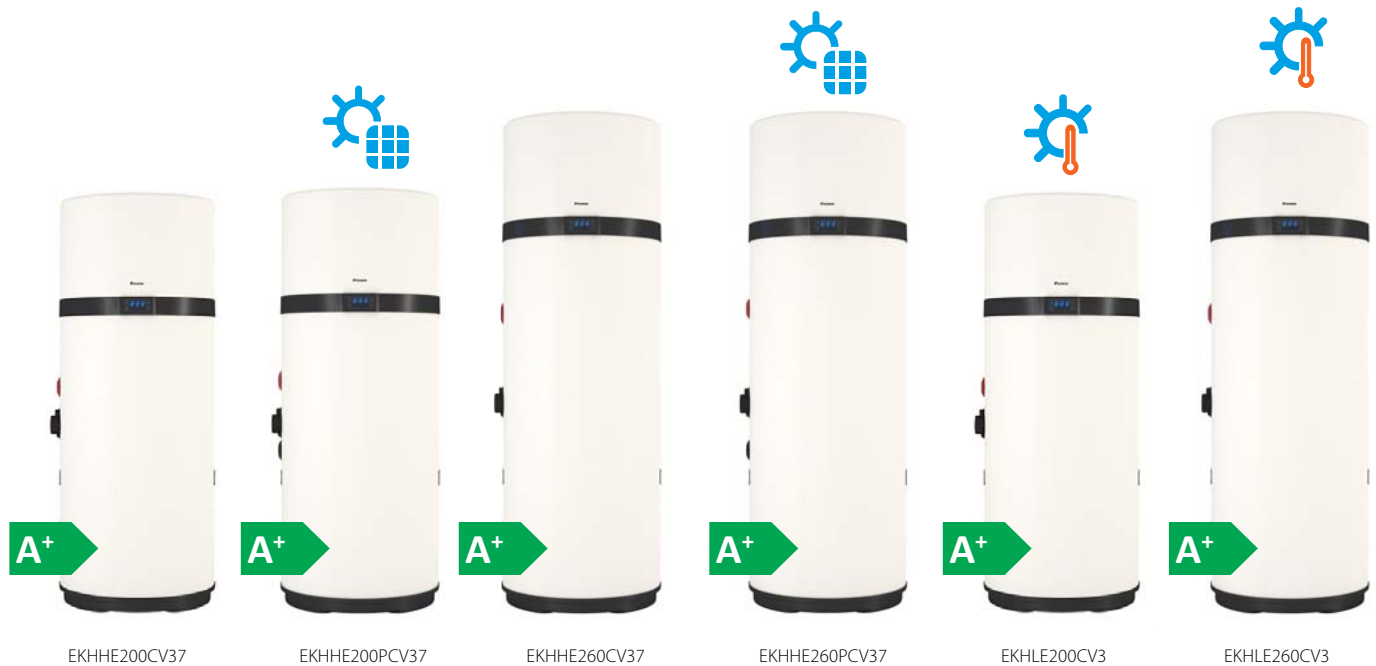


The acoustic level can be evaluated in two ways

- › The **sound power** is generated by the unit itself, independently of distance and environment
- › The **sound pressure** is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.



Product range



These models are connectable to solar thermal or another auxiliary source, thanks to an extra coil, support the heat up of domestic hot water.



High temperature models are dedicated for warm climate conditions.

Features


Daikin Altherma M HW is an air-water heat pump for the production of domestic hot water, storage in an enamelled steel tank, with condenser having an external jacket to guarantee top safety and hygiene.

- › Maximum temperature of 62 °C from renewable energy with heat pump alone or through a heating element (up to 75 °C)
- › Programmable digital interface with TOUCH keys
- › Integration through Solar Thermal energy (-PCV37 model) or through a heating element (up to 75 °C) on all models
- › Integration with Photovoltaic Solar system

Intuitive controls

A very simple and intuitive display

- › White backlit LEDs to control temperature and features
- › **Red** backlit LEDs for alarm warnings
- › The 4 side TOUCH keys turn Daikin Altherma M HW on/off (⏻); keys to browse through the MENU (SET) and increase (+) or decrease (-) settings



Eco mode
Renewable energy only
Daikin Altherma M HW only works in heat pump mode. The additional heater turns on as a support only if the outdoor temperature is outside the operating range (setpoint 62 °C).

Fan mode
Air recirculation only
Daikin Altherma M HW only works in ventilation mode. The heat pump and additional heater are off.

Electric mode
Electrical energy only
Daikin Altherma M HW only works with the additional heater. Set point can be up to 75 °C.

Auto mode
Renewable energy as the preferred option
Daikin Altherma M HW works in heat pump mode by default. The additional heater turns on as a support only if the tank temperature increase is too slow (>4 °C/30 min). Or the outdoor temperature is outside the operating range (setpoint 62 °C).

Boost mode
Combined use of renewable and electrical energy
Daikin Altherma M HW simultaneously operates as a heat pump and with the additional heater. Setpoint can be up to 75 °C.

FLASHING
HP + AH

Specifications



| Type | Volume (l) | Capacity | Dimensions (mm) | Optimisation from Photovoltaic | Integrated Solar Thermal Control | Legionella Control Sanitisation | Time slot-based operation | OFF PEAK feature | Defrosting on | Holiday Mode |
|-------------|------------|----------|-------------------|--------------------------------|----------------------------------|---------------------------------|---------------------------|------------------|---------------|--------------|
| EKHHE-CV37 | 200 | | 628 x 628 x 1.607 | • | - | • | • | • | • | • |
| | 260 | | 628 x 628 x 1.892 | • | - | • | • | • | • | • |
| EKHHE-PCV37 | 200 | | 628 x 628 x 1.607 | • | • | • | • | • | • | • |
| | 260 | | 628 x 628 x 1.892 | • | • | • | • | • | • | • |
| EKHLE-CV3 | 200 | | 628 x 628 x 1.607 | • | - | • | • | • | - | • |
| | 260 | | 628 x 628 x 1.892 | • | - | • | • | • | - | • |

Installation

Daikin Altherma M HW can be installed in any room, including non-heated ones like garages and laundry rooms, and does not require any special work, except for the holes for the air intake and exhaust pipes.

Some installation methods

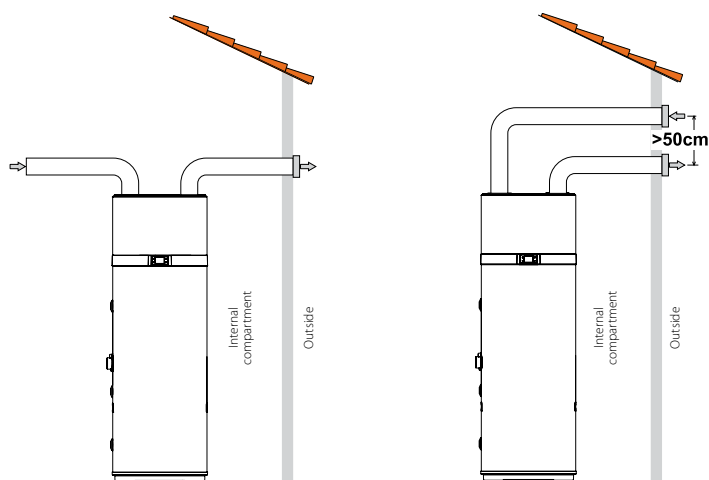


Fig. 1 - Example of air discharge connection

Fig. 2 - Example of air discharge connection

The heat pump requires suitable air ventilation. A suggested method for a designated air duct is provided in Fig. 1. Plus, it is essential to guarantee suitable ventilation in the room where the appliance is installed.

An alternative solution is provided in the picture on the right (Fig. 2): it involves additional ducting that draws air from outdoors, rather than directly from indoors.

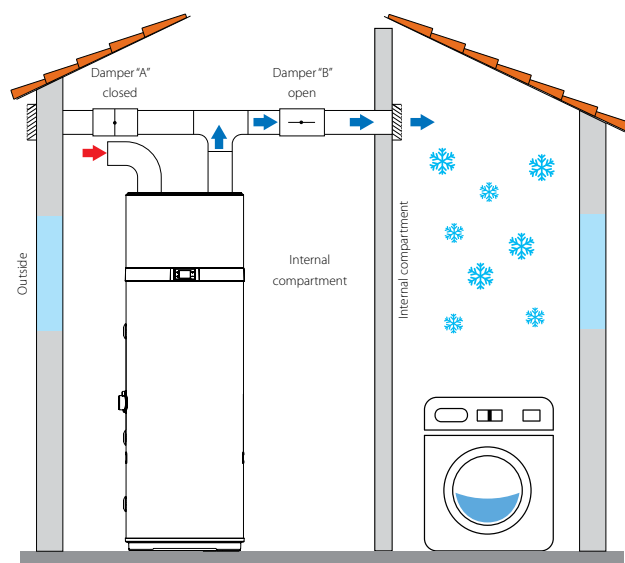


Fig. 3 - Example of installation in summer

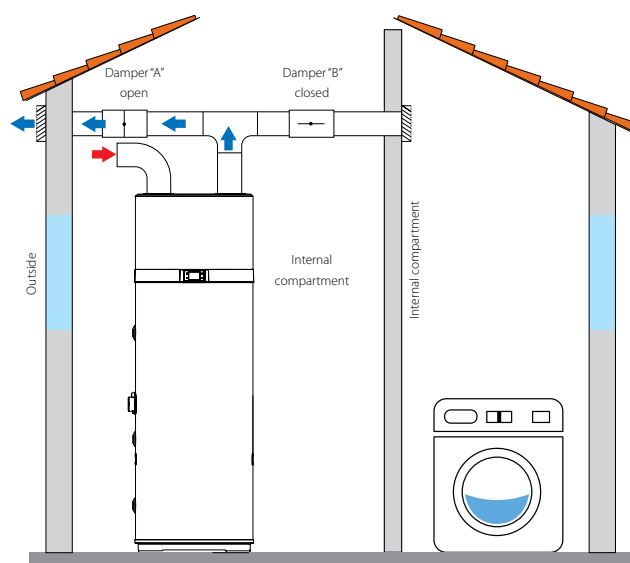


Fig. 4 - Example of installation in winter

One of the unique features of heat-pump heating systems is the fact that these units considerably reduce the temperature of the air, which is usually ejected outdoors. As well as being colder than the air in the room, the ejected air is also completely dehumidified, which is why the airflow can be conveyed back into the home to cool specific areas or rooms in summer. Installation involves doubling the exhaust pipe, on which two dampers ("A" and "B") are applied to convey the airflow either outside (fig. 3) or inside the house (fig. 4).

Daikin Altherma M HW

Domestic hot water heat pumps



A⁺

62°C

75°C


*Maximum temperature:
62°C - heat pump only
75°C - using backup heater

R-134a



Daikin Altherma M HW

Monobloc DHW floor standing indoor unit

| Indoor unit | | Solar thermal connectivity | Tank Liters | back-up heater kW | Power supply Phase/V | Type Order No | Price Lei | |
|---|--|----------------------------|----------------|----------------------|-------------------------|------------------|---------------|----------|
|  | <ul style="list-style-type: none">• High performance monobloc domestic hot water heat pump• Quiet operation, easy handling and flexible installation.• 1,5 kW electrical heating element built in• Anti-legionella clyce• Scheduled operation• Suitable for warm climate (EKHLE-CV3)• Heat pump extracts heat from the indoor/outdoor air down to -7°C. <p>Dimensions (Height X Diameter) for 200 l version: 1.607 x 628 mm for 260 l version: 1.892 x 628 mm</p> | Hot water only | - | 200 | 1,5 | 1~230 V | EKHHE200CV37 | 10.477,- |
| | | | - | 260 | 1,5 | 1~230 V | EKHHE260CV37 | 11.445,- |
| | | | Yes | 200 | 1,5 | 1~230 V | EKHHE200PCV37 | 11.281,- |
| | | | Yes | 260 | 1,5 | 1~230 V | EKHHE260PCV37 | 12.713,- |
| | | | - | 200 | 1,5 | 1~230 V | EKHLE 200CV3 | 9.368,- |
| | | | - | 260 | 1,5 | 1~230 V | EKHLE 260CV3 | 10.130,- |

For more Marketing and technical information check:



Water loop solution Daikin Altherma 3 WS



Efficiency and environmental performance all in one

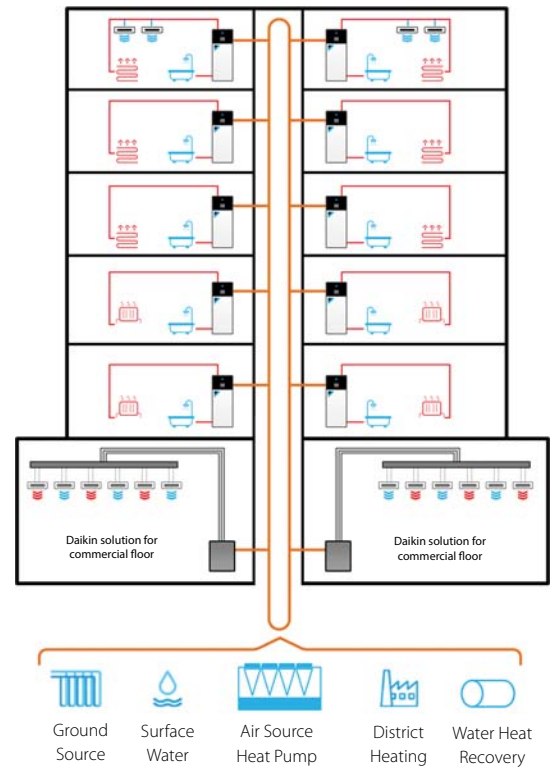
Individual heat pumps connected to a central loop

This innovative system consists of a network of heat pumps connected to a common central water loop. In each apartment is a Daikin Altherma 3 WS unit - a high-efficiency water-to-water heat pump with integrated domestic hot water (DHW) tank.

The heat pump in each apartment works independently, but is connected to a common central water loop to form a communal system. The central water loop must be maintained between +10°C and below +30°C. Thanks to this wide temperature range, the central water loop can be warmed/or cooled via several different means:

- › Ground or air source heat pump
- › Shared ground array, borehole or thermal piles
- › Surface water source such as a river, canal or seawater
- › District heat network
- › Waste heat recovery

This offers the designer full flexibility to select the most appropriate form of renewable energy available to the site: ground, water or air



Low ambient temperatures for minimal heat loss

This highly efficient heat pump network can provide economical heating, hot water and optional cooling for an entire apartment building at relatively low ambient water temperatures.

Compared with the high distribution losses that occur in typical communal heating systems - which lead to overheated buildings and wasted energy - the low ambient loop means that heat losses are reduced by more than 90%. Hence it is a much more economical solution, that reduces the carbon footprint of the entire building.



EWSAX-D9W

Key system advantages:

- › Utilises renewable (or recovered) energy
- › Low carbon heat pump solution delivers significant CO₂ reductions over traditional systems
- › Low carbon solution helps reduce carbon offset payments
- › Energy centre not required, saving valuable space
- › Heating, hot water & cooling via a 2 pipe network offers capital savings over a traditional 4 pipe solution
- › Intuitive user controls and internet connectivity as standard
- › In-apartment heat pump has integrated back up heater, so heating & hot water is maintained in any eventuality.
- › Simplified connection with water loop thanks to the embedded pressure independent control, for automatic flow from the heat pump
- › Pressure rating of 16 bar (water loop side) to simplify installation in high-rise buildings: no need of pressure breakers up to 20 floors

Designed to suit modern living



Optimised for comfort

With a leaving water temperature up to 65°C and high efficiencies, the Daikin Altherma 3 WS is designed to ensure the lowest running costs and highest comfort levels for each apartment.



Versatility by design

Daikin Altherma 3 WS is highly versatile and works with various heat emitters, such as radiators, under-floor heating, heat pump convectors or fan coil units for maximum design flexibility.



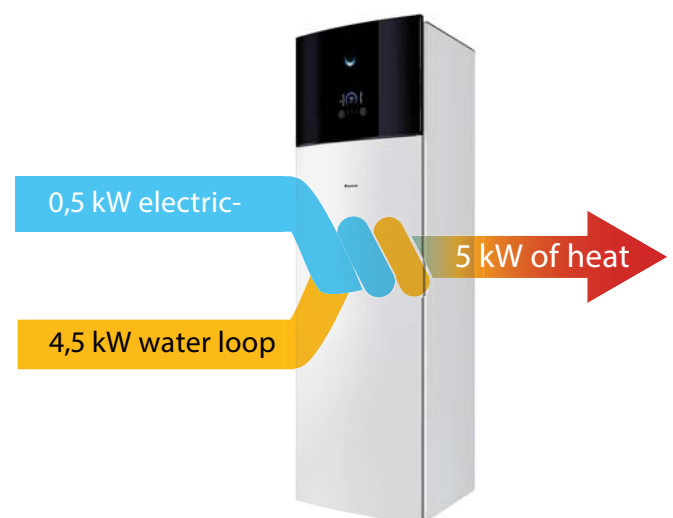
All in one integrated model

The floor standing indoor unit with integrated DHW tank has a minimal footprint, utilising as little floor-space as possible.



Delivering decarbonisation

Compared with a typical Combined Heat & Power (CHP) and boiler system often used in apartments, the Daikin Altherma 3 WS system delivers a reduction in carbon emissions of 143 tonnes.¹



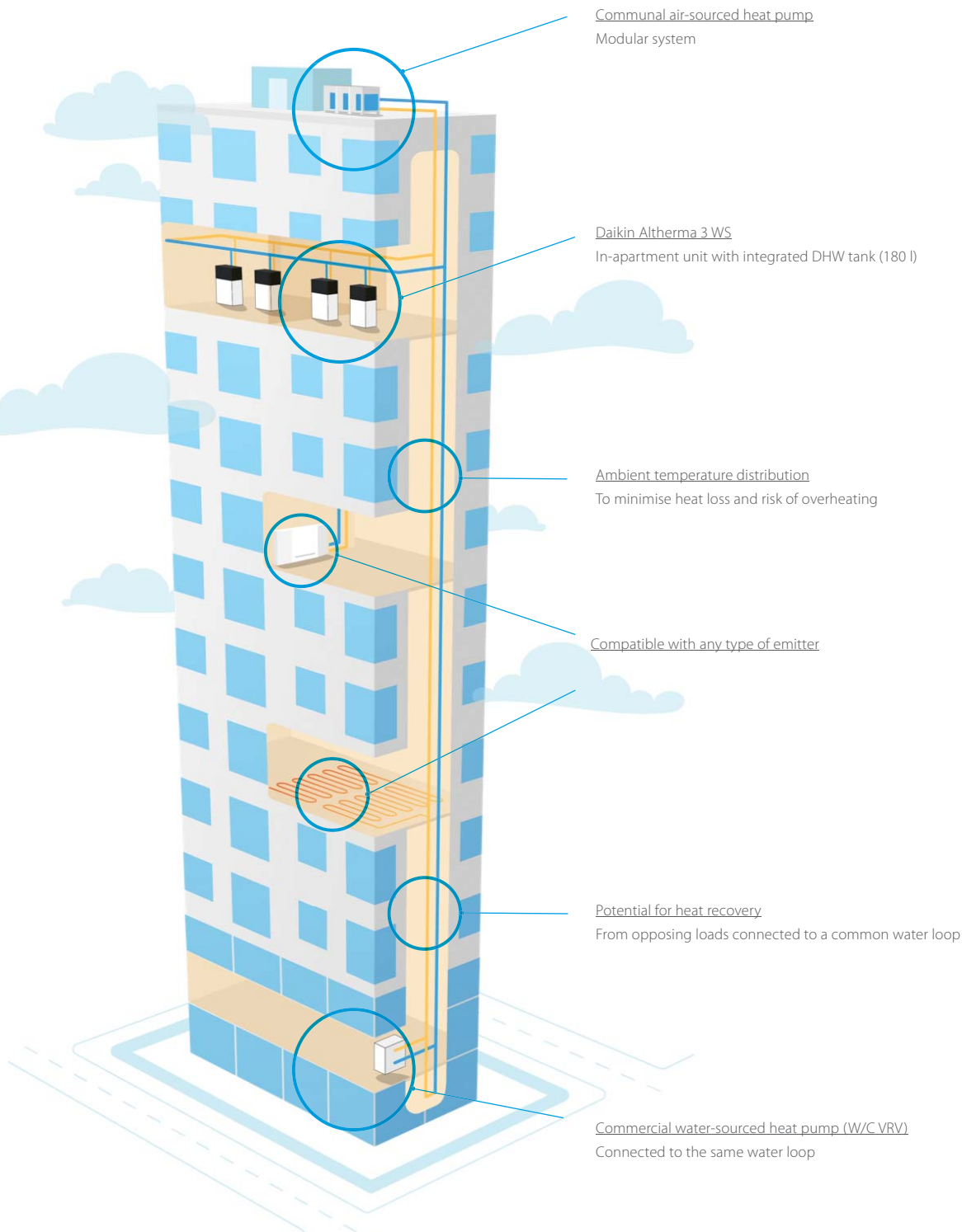


Reduction in capital costs

With a low temperature water loop connected to a heat pump chiller on the roof or in the plant rooms, plus a Daikin Altherma 3 WS unit in each apartment linked to Daikin heat pump convectors or fan coil units, the total system will deliver lower carbon emissions compared with a typical heating system. This could reduce a developer's carbon offset payments, so delivering a low carbon heating and cooling system makes both excellent environmental and economic sense.

BLUEVOLUTION

Heat pump technology reduces carbon emissions compared with any traditional fossil fuel heating system. But the Daikin Altherma 3 WS goes further to reduce the Global Warming Potential (GWP) of system, as it features Daikin's Bluevolution technology which uses R-32 refrigerant. R-32 has a lower GWP than other refrigerants typically used in heat pump systems - and less refrigerant is required too - so it's more environmentally friendly overall.



¹ Based on a block of 277 apartments with a Combined Heat & Power (CHP) system and Heat Interface Units (HIU) with CHP thermal efficiency of 48% and electrical efficiency of 32%, 60% CHP / 40% boiler, compared with a Heat Pump with a SCOP of 3,7 based on SAP2012

Daikin Altherma 3 WS

Water source heat pump
Leaving water temperature up to 65°C

Nomenclature

Example: EWSAH06D6W


| | |
|-------|-----------------------------|
| E | European Model outdoor unit |
| WS | Water solution |
| A | Refrigerant R32 |
| 06 | Model size (6) |
| D | Series |
| 6W/9W | Possible BUH configuration |
| 9W | Power supply W = 3 ph |










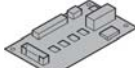









*Maximum temperature:
60°C - heat pump only
65°C - using backup heater

Daikin Altherma 3 WS

Floor standing indoor unit

| Indoor unit | | Class | Tank Liters | back-up heater kW | Power supply Phase/V | Type Order No | Price Lei |
|--|---------------------|-------|----------------|----------------------|-------------------------|-------------------|-----------------|
|  <ul style="list-style-type: none"> Integrated 180 l stainless steel tank High-efficiency circulation pump Safety valve and air purge, backup heater and a 3-Way Valve High modulation range: down to 1,25 kW with leaving water temperature up to 65°C. MMI user Interface is included. <p>Dimensions (H x W x D) 1.891 x 597 x 666 mm</p> | Heating only | 6 | 180 | 9 | 1~230 V / 3~400 V | EWSAH06D9W | 42.735,- |
| | Heating and cooling | 6 | 180 | 9 | 1~230 V / 3~400 V | EWSAX06D9W | 45.263,- |

| | Type | Type / Order No | Daikin Altherma 3 WS | Price Lei |
|-------------|---|-----------------|----------------------|-----------|
| Controllers |  Madoka Remote user interface, White | BRC1HHDW | • | 901,- |
| |  Madoka Remote user interface, Silver | BRC1HHDS | • | 901,- |
| |  Madoka Remote user interface, Black | BRC1HHDK | • | 901,- |
| |  Wired room thermostat | EKRTWA | • | 888,- |
| |  Wireless room thermostat | EKRTRB | • | 1.790,- |
| |  LAN Adapter | BRP069A61 | • | 1.104,- |
| |  Optional wired indoor temperature sensor | EKRTETS | • | 115,- |
| |  Optional remote indoor temperature sensor | KRCS01-1 | • | 662,- |
| |  Digital I/O PCB | EKRP1HBA | • | 929,- |
| |  Demand PCB | EKRP1AHT | • | 952,- |
| |  DCOM gateway I/O version | DCOM-LT/IO | • | 2.393,- |
| |  DCOM gateway Modbus version | DCOM-LT/MB | • | 2.256,- |
| Accessories |  Fernox magnetic filter without additives | K.FERNOXTF1 | • | 1.244,- |
| |  Fernox magnetic filter with additive (500ml inhibitor fluid F1) | K.FERNOXTF1FL | • | 1.768,- |
| |  Altherma-to-PC USB interface | EKPCCAB4 | • | 1.858,- |
| |  BUH wire harness | EKGSPWCAB | • | 476,- |
| |  Current sensor | EKCSENS | • | 2.247,- |

Thermal stores and tanks

Hot water heating installation solutions



Why choose a Daikin Altherma ST thermal store or domestic hot water tank?

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.



Thermal store



Stainless steel tank



Domestic hot water tanks

Stainless steel tanks

Comfort

- › EKHWS-B: available in 150, 200 and 300 litres in stainless steel
- › EKHWS-B: available for 400V applications
- › EKHWS(P)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel

Efficiency

- › High-quality insulation keeps heat loss to a minimum
- › Efficient temperature heating: from 10 °C to 50 °C in only 60 minutes
- › Available as an integrated solution or separate tank

Reliability

- › At necessary intervals, the unit can heat up water up to 60 °C to prevent the risk of bacteria growth



The ECH₂O thermal store range

ECH₂O thermal store: additional hot water comfort

Combine your monobloc with a thermal store to achieve the ultimate comfort at home.

- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- › Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

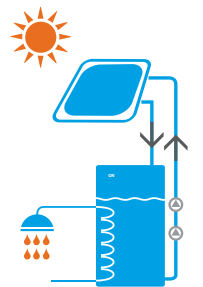
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

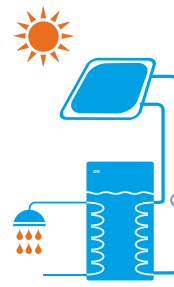
- › Fit for the future: maximise renewable energy sources
- › Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- › High-quality insulation keeps heat loss to a minimum

Reliability

- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no water loss through the safety valve



Drain-back solar system



Pressurised solar system

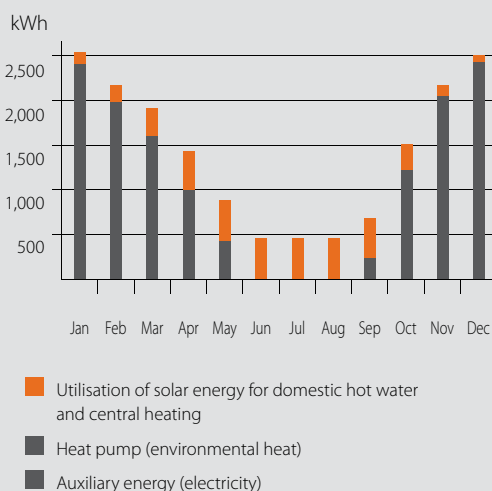
Pressureless (drain-back) solar system

- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

Pressurised solar system

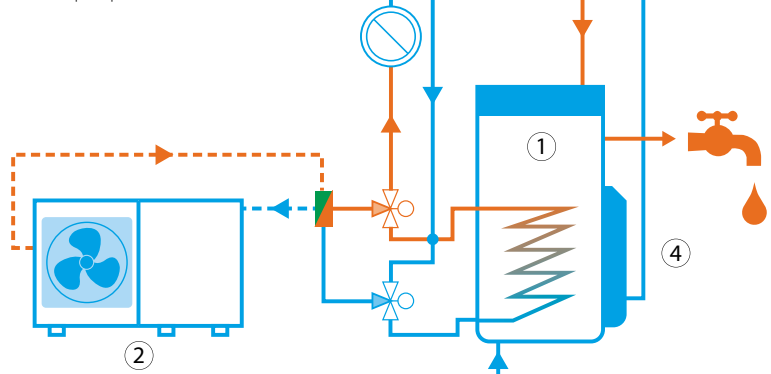
- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station


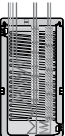


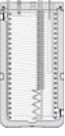
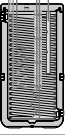
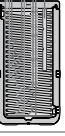






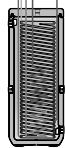
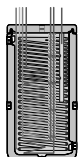
Daikin Altherma ST

Plastic domestic hot water tank
with solar support




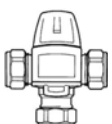
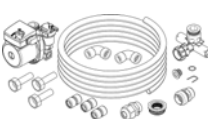



For more Marketing and technical
information check:



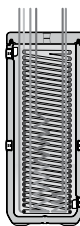
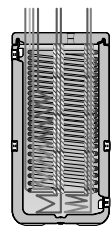
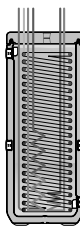
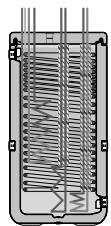
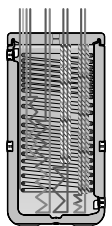
| | | Type / Order No. | Price Lei |
|---|--|------------------|-----------|
|  | Sanicube SCS 328/14/0-P High-performance 300 litre energy store for domestic hot water generation. Dimensions (W x D x H) 595 x 615 x 1.646 mm, weight 53 kg | EKHWC300PB | 7.385,- |
|  | Sanicube SCS 538/16/0-P High-performance 500 litre stratified storage tank for hot water generation and heating support. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 79 kg | EKHWC500PB | 9.494,- |
|  | Sanicube SCS 538/16/16-P High-performance 500 litre stratified storage tank for hot water generation and heating support and for bivalency operation with additional heat generator. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 86 kg | EKHWC500PB | 10.741,- |
|  | Sanicube SCS 328/14/0-DB High-performance 300 litre energy store for domestic hot water generation. Dimensions (W x D x H) 595 x 615 x 1.646 mm, weight 51 kg | EKHWC300B | 7.204,- |
|  | Sanicube SCS 538/0/0-DB High-performance 500 litre stratified storage tank for hot water generation and heating support. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 69 kg | EKHWC500B | 7.664,- |
|  | Sanicube SCS 538/16/0-DB High-performance 500 litre stratified storage tank for hot water generation and heating support. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 74 kg | EKHWC500B | 8.950,- |
|  | Sanicube SCS 538/16/16-DB High-performance 500 litre stratified storage tank for hot water generation and heating support and for bivalency operation with additional heat generator. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 80 kg | EKHWC500B | 11.243,- |
|  | Sanicube SC 538/16/0 High-performance 500 litre thermal store for hot water generation by boiler or other heat source. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 73 kg | EKHWDH500B | 8.938,- |
|  | Sanicube SC 538/16/16 High-performance 500 litre thermal store for hot water generation by boiler or other heat source and for bivalency operation with additional heat generator. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 76 kg | EKHWD500B | 10.367,- |

| | | Type / Order No. | Price Lei |
|---|--|------------------|-----------|
|  | Hybridcube HYC 343/19/0-P – Thermal store for LT wall mounted up to 8 kW, Altherma hybrid and all HT High-performance 300 litre energy store for domestic hot water generation. Dimensions (W x D x H) 595 x 615 x 1.646 mm, weight 56 kg | EKHWP300PB | 12.683,- |
|  | Hybridcube HYC 544/32/0-P – Thermal store for LT wall mounted up to 16 kW, Altherma hybrid and all HT High-performance 500 litre stratified storage tank for hot water generation and heating support1). Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 82 kg | EKHWP500PB | 15.433,- |
|  | Hybridcube HYC 343/19/0-DB – Thermal store for LT wall mounted up to 8 kW, Altherma hybrid and all HT High-performance 300 litre energy store for hot water generation. Dimensions (W x D x H) 595 x 615 x 1.646 mm, weight 53 kg | EKHWP300B | 12.079,- |
|  | Hybridcube HYC 544/32/0-DB – Thermal store for LT wall mounted up to 16 kW, Altherma hybrid and all HT High-performance 500 litre stratified storage tank for hot water generation and heating support1). Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 76 kg | EKHWP500B | 14.704,- |

Accessories

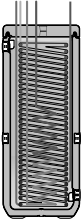
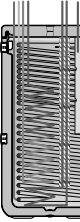
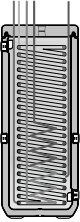
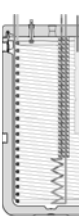
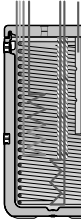
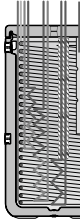
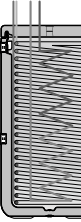
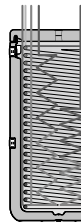
| | | Type / Order No. | Price Lei |
|---|---|------------------|-----------|
|  | Immersion heater for Daikin Altherma ST (1N 230V) Output 2 kW. Including mounted thermostat and melting fuse. Immersion depth 1.420 mm. Replacing EHS/500/1 | EKB2C | 2.700,- |
|  | Immersion heater for Daikin Altherma ST (3N 400V) Output 2 – 6 kW. Including mounted thermostat and melting fuse. Immersion depth 1.420 mm. Replacing EHS/500/5 and EHS/500/6 | EKB6C | 3.334,- |
|  | Circulation lance For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the ROTEX storage tank | ZKL 165113 | 853,- |
|  | Thermostatic mixer as scalding protector Thermal safety device for the domestic water pipe. Setting range 35 – 60 °C | VTA32 156015 | 525,- |
| | Screw connection kit 1" For connection of the scald protection VTA32 | 156016 | 207,- |
|  | Storage tank incorporation heat exchanger (storage tank return connection and electric immersion heater connection) Kit for connection of a wood-burning, pellet, oil or gas boiler to the Altherma ECH ₂ O or Sanicube/Hydrocube thermal stores as an alternative to an electric immersion heater. Consists of: piping, fittings, storage tank incorporation and circulation pump. | SAK 160130 | 2.547,- |
|  | Connection elbow SCS/HYC The optional connection elbow enables easy filling of the storage tank via the filling and drain connection on the storage tank (1" female thread connection) | AW BAS 165210 | 239,- |
|  | Fill and drain connection For RPS3 and tanks from 2013, for easy filling and emptying through the fill and drain valve | KFE BA 165215 | 207,- |
|  | Convection brake To prevent circulation under gravity in Sanicube water circuits with Drain-Back, 2 pcs., suitable up to 95 °C, for installation in any tank-side heat exchanger connections except pressure solar heat exchanger | SKB 165070 | 84,- |

Storage tank selection

| | HYC 343/19/0-P EKHWP300PB | HYC 544/32/0-P EKHWP500PB | SCS 328/14/0-P EKHWCH300PB | SCS 538/16/0-P EKHWCH500PB | SCS 538/16/16-P EKHWCB500PB |
|---|---|---|--|---|---|
| |  |  |  |  |  |
| Hygienic hot water-generation in instantaneous through-flow principle | • | • | • | • | • |
| Heat generator combinations | | | | | |
| Boiler combination | | | | | |
| Pretherma wall mounted gas boiler | • | • | • | • | • |
| Existing boiler | • | • | • | • | • |
| Heat pump combination | | | | | |
| LT wall mounted up to 8 kW | • | | | | |
| LT wall mounted up to 16 kW | | • | | | |
| HT wall mounted up to 18 kW class | • | • | • | • | • |
| Altherma hybrid | • | • | | | |
| Solar combination | | | | | |
| Drain-Back combination | | | | | |
| Pressurised solar combination | • | • | • | • | • |
| Solar heating support ¹⁾ | | • | | • | • |
| Bivalency solution* (combination with additional heat generators or swimming pool) | | | | | • |

* If a pressurised solar combination or a bivalency solution is to be combined with a heat pump, Daikin recommends Daikin Altherma ECH₂O heat pumps in Bivalent variant.

¹⁾ Solar heating support cant be used in combination with Altherma R hybrid.

| HYC 343/19/0-DB EKHWP300B | HYC 544/32/0-DB EKHWP500B | SCS 328/14/0-DB EKHWCH300B | SCS 538/0/0-DB EKHWC500B | SCS 538/16/0-DB EKHWCH500B | SCS 538/16/16-DB EKHWC500B | SC 538/16/0 EKHWDH500B | SC 538/16/16 EKHWDB500B |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| • | • | • | • | • | • | • | • |
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| | | | | | • | | • |

Daikin domestic hot water tank


Stainless steel domestic hot water tank

For more Marketing and technical information check:



Domestic Hot Water Tank Sets for Daikin Altherma 3 wall mounted

consists of tank, booster heater, thermistor + connection wire (12m), 3-way valve + motor, jumper wire

| | Type / Order No. | Price Lei |
|--|--|----------------|
|  | Stainless Steel Domestic Hot Water Tank 150 l incl. 3 kW booster heater 1 ~ 230 V, height 1.015 mm, diameter 600 mm | 7.393,- |
| | Stainless Steel Domestic Hot Water Tank 180 l incl. 3 kW booster heater 1 ~ 230 V, height 1.175 mm, diameter 600 mm | 7.616,- |
| | Stainless Steel Domestic Hot Water Tank 200 l incl. 3 kW booster heater 1 ~ 230 V, height 1.283 mm, diameter 600 mm | 7.844,- |
| | Stainless Steel Domestic Hot Water Tank 250 l incl. 3 kW booster heater 1 ~ 230 V, height 1.553 mm, diameter 600 mm | 8.200,- |
| | Stainless Steel Domestic Hot Water Tank 300 l incl. 3 kW booster heater 1 ~ 230 V, height 1.763 mm, diameter 600 mm | 8.569,- |



Onecta App

Manage the comfort of your home from the convenience of your phone.

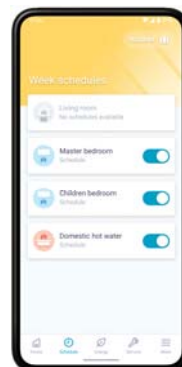
The Onecta app is exclusively available to all Daikin unit owners, giving you the power to fully control your heating, cooling and hot water units straight from the palm of your hand.



Voice commands

Voice controlled management of your heating and cooling units.

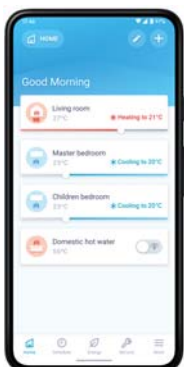
- › Compatible with Google Assistant & Amazon Alexa
- › Seamlessly integrates with your existing smart home functionality



Easy scheduling

Set up a programme of when your units should operate.

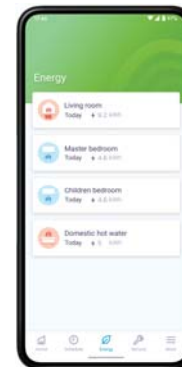
- › Create up to six actions per day for temperature or operation mode
- › Additional holiday mode available to save energy costs



Simple management

Manage your units to suit your lifestyle and year-round needs.

- › Define room and domestic hot water temperature
- › Set heating and cooling unit operation modes



Efficiency monitoring

Get an overview of your units' performance and energy efficiency.

- › Easy to access reports on energy consumption
- › Live status of your heating and cooling units

Available on



Scan the QR code to download the app now



Individual wired room controls

For the temperature adjustment of heating and cooling systems



General features

- › Improve the energy efficiency of the home
- › Universally deployable and scalable
- › Easy and intuitive installation, operation and maintenance
- › Cost-effective and convenient for the end-user

System components



Base station EKWUFHTA1V3

The Daikin Wired Base Station is the central connection unit of a room-by-room temperature control for the surface temperature adjustment of heating and cooling systems.



Wired digital thermostat EKWCTRD1V3

The desired room temperature can be set comfortably via a rotary control with rotary-push action and soft ratchet. The well-structured and language-neutral symbols of the display clearly indicate all settings.



Wired analog thermostat EKWCTRA1V3

An optimum price-performance ratio is offered for rooms where only temperature control is desired, without the comfort function of the display variant.



Valve actuator EKWCVATR1V3

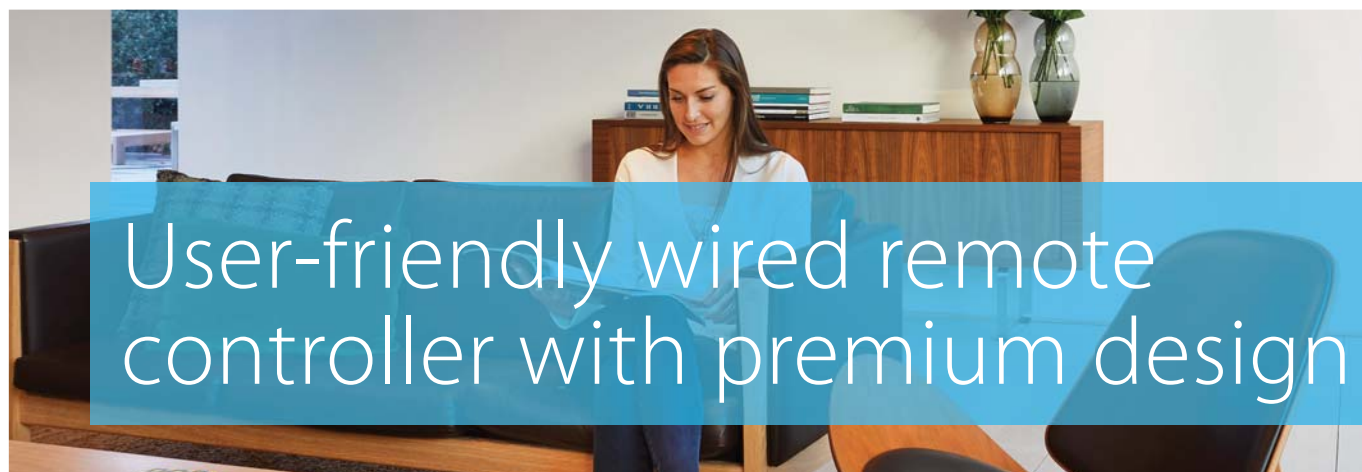
The Daikin Valve Actuator is a thermoelectric valve drive used to open and close valves on heating circuit distributors of concealed heating and cooling systems.

Comfort

With the help of an electronic room-by-room control system, users can regulate the temperature individually in each room. In addition to the warmth output of the actual heating surfaces, the room temperature control system also takes all other heat sources into account, such as sunshine, warmth from lights or people, and other sources of warmth, such as a fireplace or a tiled stove. On the basis of a continuous comparison of the target and current temperatures, the room temperature control system opens and closes the individual heating circuits by way of electrical valve actuators.

Applicable Daikin units

Combinable with all Daikin Altherma units.



Madoka. The beauty of simplicity

Madoka



Black
RAL 9005 (matt)
BRC1HHDK



White
RAL9003 (glossy)
BRC1HHDW



Silver
RAL 9006 (metallic)
BRC1HHDS

Madoka combines refinement and simplicity

- › Sleek and elegant design
- › Intuitive touch-button control
- › Three colours to match any interior
- › Compact: measures only 85 x 85 mm

Easy update via Bluetooth

It is strongly recommended to make sure that the user interface is up to date. To update the software or check if updates are available, all you need is a mobile device and the Madoka Assistant app. The app is available on Google Play and in the App Store.



Award-winning design

Madoka received an IF Design Award and Reddot Product Design Award for its innovative design. These awards represent two of the most prestigious and largest design competitions in the world.

For more Marketing and technical information check:



reddot award 2018
winner



Wired remote controller



For Daikin Altherma 3 heat pumps

A new generation of user interfaces: redesigned and intuitive

Intuitive control with a premium design

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large, easy-to-read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

Three colours to match any interior design

Whatever your interior design, Madoka will fit in. Silver will stand out in any home decor, while Black is a perfect match for darker, stylish interiors. White offers a sleek, modern look.

Easily set operation parameters

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room temperature and control the domestic hot water temperature.

Wired remote control for heating

EKRUCB¹⁾

Control

- › Manage space heating, cooling, domestic hot water and booster mode
- › User-friendly remote control with contemporary design
- › Easy to use with direct access to all main functions

Comfort

- › An additional user interface can be configured to include a room thermostat in the space
- › Easy commissioning: intuitive interface for advanced menu settings

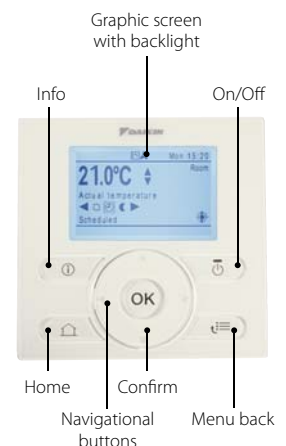
General features

Several languages available depending on the model, including English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Applicable Daikin units

- › Daikin Altherma R Hybrid
- › Daikin Altherma GEO

¹⁾ Only in combination with EKRTETS.





System controller for Daikin Altherma

EKRUAHTB

Control

Reduce installation time

- › Program all installation settings on a laptop computer and simply upload them to the controller during commissioning
- › Reuse similar settings for related installations

Improve service diagnostics and maintenance

- › The controller records the time, date and nature of the last 20 error occurrences

Comfort

Maximise comfort with stable room temperatures

- › Raise or lower water temperature based on the actual room temperature
- › Manage energy consumption
- › The intuitive display shows the output and input energy of the unit to provide consumption transparency

General features

Weather-dependent floating set point

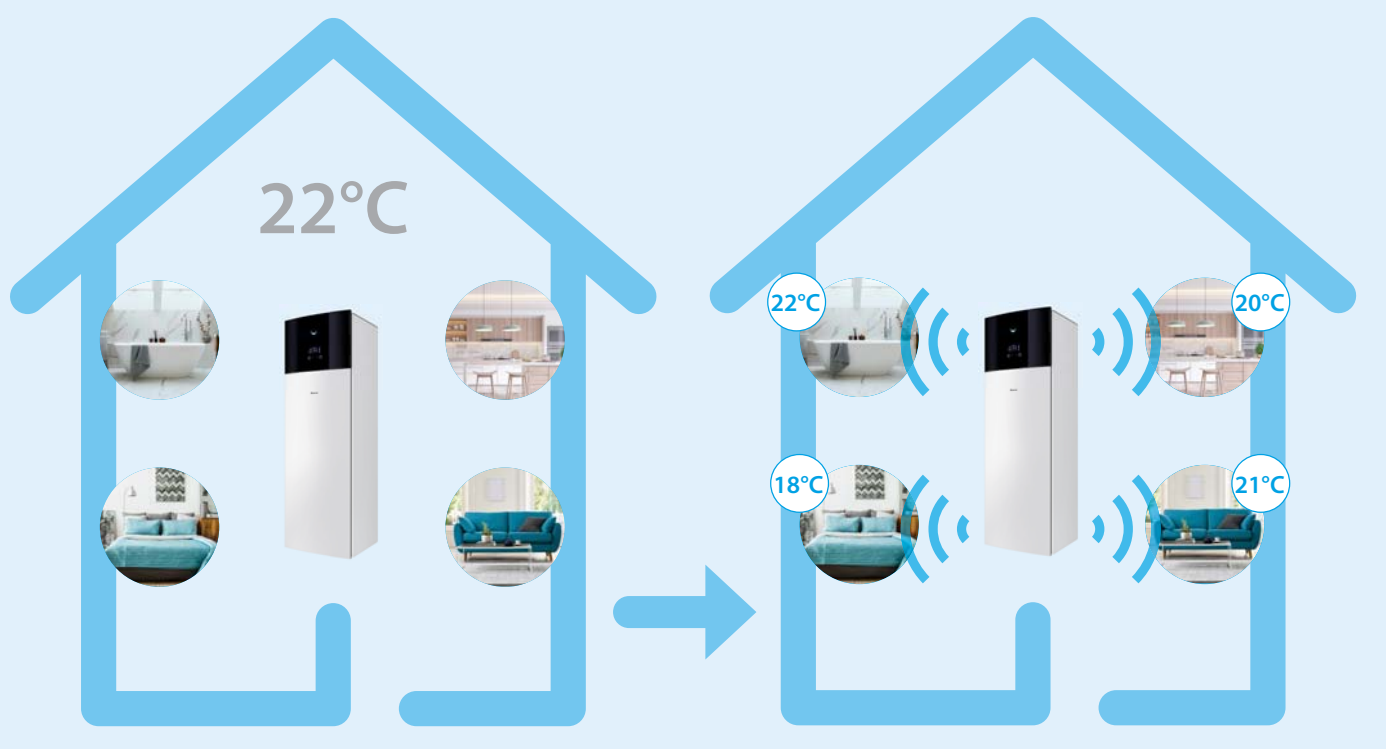
When the floating set point function is enabled, the set point for the leaving water temperature will be dependent on the outside ambient air temperature. At low outside ambient air temperatures, the leaving water temperature will increase to satisfy the rising heat requirement of the building. At warmer temperatures, the leaving water temperature will decrease to save energy.



| | | | | BRC1HHDAK/W/S | EKRUCB ¹⁾ | EKRUHML ¹⁾ | EKRUAHTB | EKWCTRDIV3 | EKWCTRANIV3 |
|--------------------------|---|----------|----|---|----------------------|-----------------------|----------|------------|-------------|
| Casing | Colour | | | Black/White/Silver | White | White | - | - | - |
| | Operation LED | Colour | | Blue status indicator | Green | Green | - | - | - |
| Dimensions | Unit | Height | mm | 85 | 120 | 120 | - | 86 | 86 |
| | | Width | mm | 85 | 120 | 120 | - | 86 | 86 |
| | | Depth | mm | 25 | 12 | 12 | - | 31 | 29 |
| | Packed unit | Height | mm | 50 | - | - | - | - | - |
| | | Width | mm | 217 | - | - | - | - | - |
| | | Depth | mm | 161 | - | - | - | - | - |
| Weight | Unit | | | kg | 0,110 | - | - | - | - |
| | Packed unit | | | kg | 0,317 | - | - | - | - |
| Packing | Material | | | Cardboard | - | - | - | - | - |
| | Weight | | | kg | 0,0850 | - | - | - | - |
| LCD | Type | | | 100 x 150 dots | - | - | - | - | - |
| | Dimensions | Height | mm | 40,7 | 46 | 46 | - | - | - |
| | | Width | mm | 28,0 | 72 | 72 | - | - | - |
| | Back light | Colour | | White | White | White | - | - | - |
| Ambient temperature | Operation | Min. | °C | -10 | - | - | - | - | - |
| | | Max. | °C | 50 | - | - | - | - | - |
| | Storage | Min. | °C | -20 | - | - | - | - | - |
| | | Max. | °C | 70 | - | - | - | - | - |
| | Relative humidity | | % | 95 | - | - | - | - | - |
| Backup for power failure | | | | Yes (the clock will keep functioning for period not exceeding 48 hours) | - | - | - | - | - |
| Control systems | Class of temperature control | | | VI | VI | VI | VI | - | - |
| | Contribution to seasonal space heating efficiency | | | % | 4,0 | 4,0 | 4,0 | - | - |
| Wiring connections | Type of wires | | | Sheathed vinyl cord or cable | - | - | - | - | - |
| | Size | | | mm ² | 0,75, 1,25 | - | - | - | - |
| | For connection with indoor | Quantity | | | 2 | - | - | - | - |
| | | Remark | | P1-P2 wired connection from indoor unit | - | - | - | - | - |
| | Wiring length | Max. | m | | 500 | 500 | 500 | - | - |

Individual wireless room controllers

Our individual wireless room controllers allow for a total flexibility in heating your home.



✓ Make energy savings

A traditional heating system makes you manage one temperature for your entire home. In most cases, you will be heating empty rooms, making you waste energy.

To avoid heating empty rooms, the alternative is to shut them off manually.

✓ Wireless control for a better flexibility

Get rid of cables and interconnect all your devices thanks to the cloud.

Our wireless range of controllers makes your life easier. As soon as they are installed, you can combine them in Onecta app.

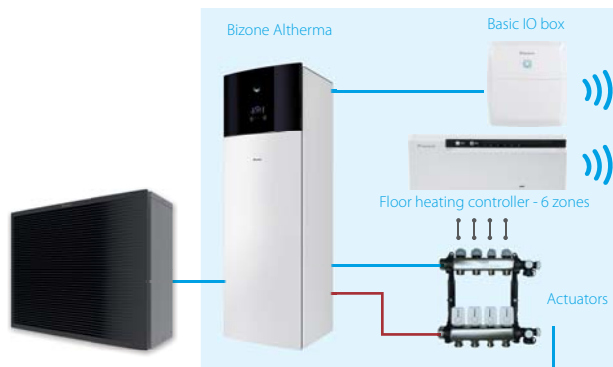
You can then control them directly from the device itself, or from the Onecta app.



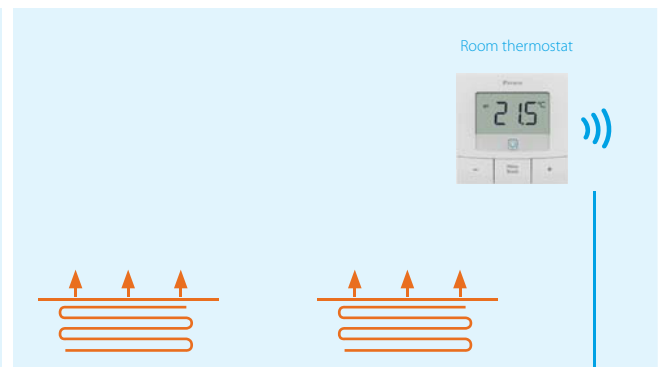
Room control made easy

You can install multiple accessories and gather them per room. They will all work according to your instructions.

Open or close the radiator valve to reach the correct set point in each room

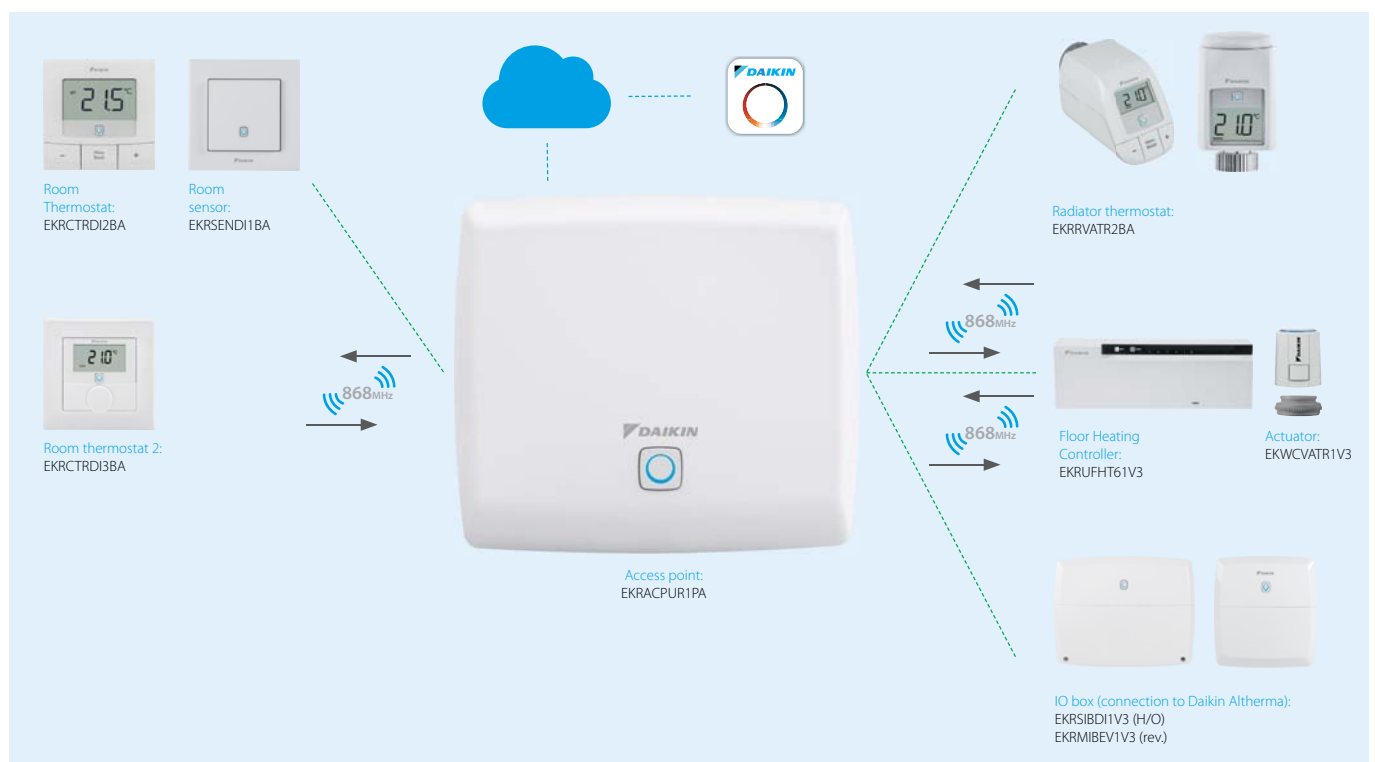


Open or close the corresponding actuator to reach the correct set point in each room



Measure the room temperature in each room for precise room v room control

Portfolio overview



Daikin Altherma HPC Floor standing model

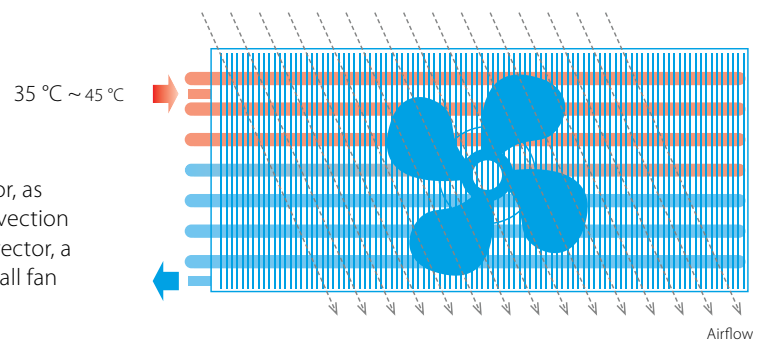


Daikin Altherma HPC provides both cooling and heating. The system is compatible with underfloor piping and radiators in a multi-zoning installation, or can replace radiators with low temperature heat pumps. The unit is available in three models (floor standing, wall-mounted and concealed) and is suited for use in bedrooms and living rooms thanks to its silent operation.

What is a heat pump convector?

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, a radiator's convection process is faster because there is a small fan behind it speeding up the heating cycle.

A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures inside the radiator, which in the long run contributes to direct energy savings for end users.

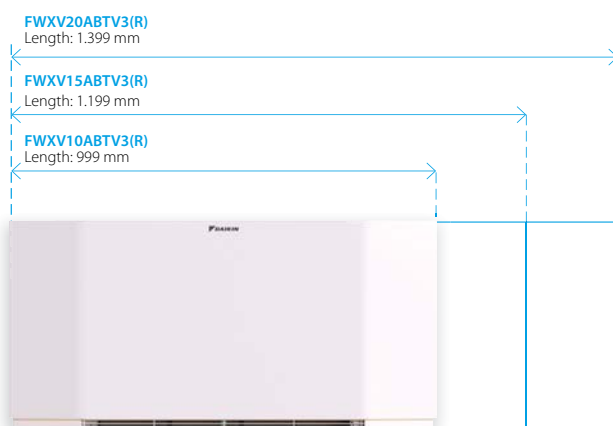


- › Optimized for newly built houses.
- › Can be set at low water temperature (35 °C) which makes it ideal for heat pump applications.

Slim design



The floor standing Daikin Altherma HPC measures 135 mm (depth) fits any house or apartment. Its optimised design was rewarded with the Reddot Design Award 2020.



Fast and high capacity

The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high-capacity heating or cooling faster and can be set at ultra-low temperatures (35/30 °C regime).

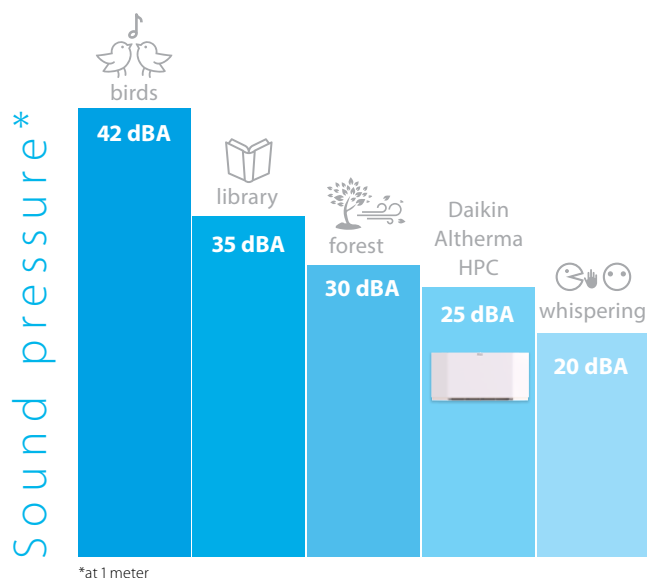
2





Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. The unit's sound pressure measures 25dB(A) at 1m when the fan is on a low-speed setting.



DC Inverter

Daikin Altherma HPC uses the latest technologies to consume less electricity down to 3W of standby power input.

Controls

Daikin offers a wide variety of controllers that are functional and have a great design.

EKRTCTRL1



- > Built-in controller
- > Fully modulating
- > Multicolor display

EKRTCTRL2



- > Built-in controller
- > 4 speed settings

EKWHCTRL1



- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0

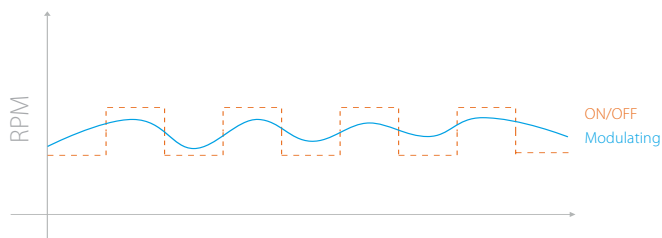
EKPCBO



- > Built-in controller
- > ON/OFF
- > In combination with external thermostats

Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.



*Only applicable for EKRTCTRL1, EKWHCTRL1 and EKWHCTRL1A

For more Marketing and technical information check:



Perfect combination

This heat pump convector fits perfectly within the Daikin Altherma 3 range.

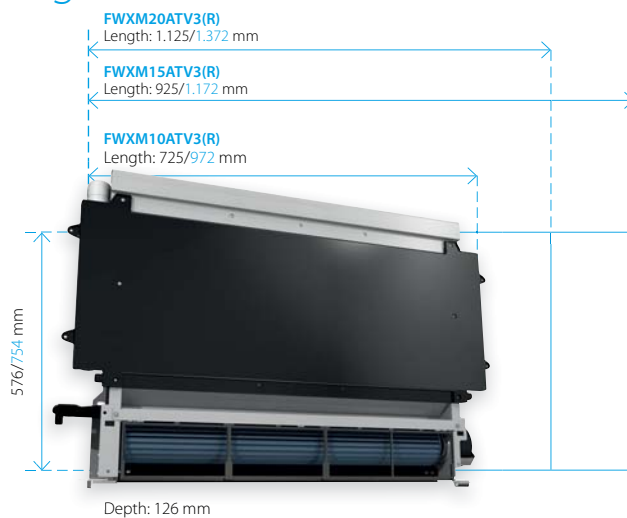




Concealed model

Forget about your heating or cooling installation altogether: our concealed model vanishes into the wall or roof for visual comfort while preserving its unique heating and cooling capabilities.

Slim design



Blue dimensions are for the front cover.

Controls

EKWHCTRL1



- › Wall controller
- › Fully modulating
- › In combination with EKWHCTRL0

Flexible installation

Daikin Altherma HPC can be installed in four different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally or vertically. For horizontal, in-ceiling installation, three different possibilities are offered:

- › Horizontal cover panel and vertical grille for air outlet
- › Horizontal intake grille and vertical grille for air outlet
- › Horizontal intake and outlet grilles

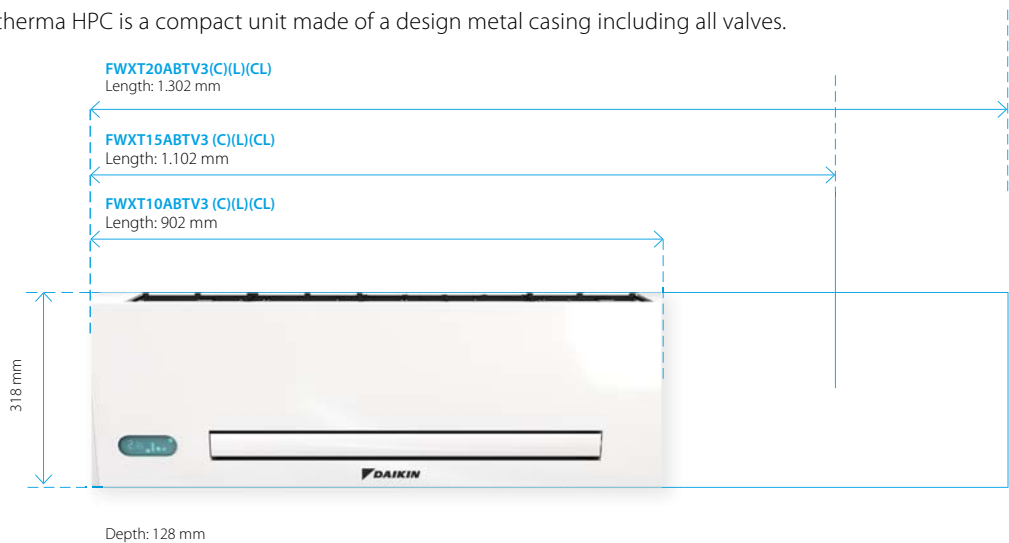




Thanks to its slim design, our wall-mounted unit blends in with your interior discreetly while helping you save valuable floor space.

Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves.



Controls

Choice of:

- › Fully modulating controller allowing for remote control of the unit.
- › Infrared remote controller and on-board touch panel.

EKWHCTRL1



- › Wall controller
- › Fully modulating

Infrared remote controller



Compactness



- 1 SLIM DEPTH**
The depth of 129 mm is an outstanding technical achievement that ensures a perfect fit in any home.
- 2 MORE SPACE FOR VALVES**
Ease of installation: the space for hydraulic valves is wide and easily accessible.




- 3 MODULATED AIRFLOW**
When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.

Heat pump convector

Wall-mounted heat pump convector
 Concealed heat pump convector
 Wall-mounted heat pump convector










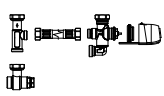
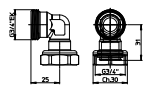
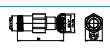









Heat pump convectors

| | Type / Order No. | Price Lei |
|---|--|---------------------------------|
|  <p>Daikin Altherma HPC Floor standing model DC inverter fan coil unit with sheet metal cabinet (white colour). Controller is not included, must be ordered separately. Dimensions (H x W x D) for 10/15/20 models: 601 x 999/1.199/1.399 x 135 mm</p> | | |
| | Standard (left connection) models | |
| | FWXV-ABT heat pump convector with 1,14 kW power output (max HE @35/30°C) | FWXV10ABTV3 2.871,- |
| | FWXV-ABT heat pump convector with 1,73 kW power output (max HE @35/30°C) | FWXV15ABTV3 3.388,- |
| | FWXV-ABT heat pump convector with 2,15 kW power output (max HE @35/30°C) | FWXV20ABTV3 3.895,- |
| | Right connection models | |
|  <p>Daikin Altherma HPC Concealed model Built in DC inverter fan coil for horizontal and vertical installation. Controller is not included, must be ordered separately. Dimensions (H x W x D) for 10/15/20 models: 576 x 725/925/1.125 x 126 mm</p> | FWXV-ABT heat pump convector with 1,14 kW power output (max HE @35/30°C) | FWXV10ABTV3R 3.295,- |
| | FWXV-ABT heat pump convector with 1,73 kW power output (max HE @35/30°C) | FWXV15ABTV3R 3.818,- |
| | FWXV-ABT heat pump convector with 2,15 kW power output (max HE @35/30°C) | FWXV20ABTV3R 4.334,- |
| | Standard (left connection) models | |
| | FWXM-AT heat pump convector with 1,14 kW power output (max HE @35/30°C) | FWXM10ATV3 2.102,- |
| | FWXM-AT heat pump convector with 1,73 kW power output (max HE @35/30°C) | FWXM15ATV3 2.460,- |
| | FWXM-AT heat pump convector with 2,15 kW power output (max HE @35/30°C) | FWXM20ATV3 2.831,- |
|  <p>Daikin Altherma HPC Wall mounted model DC inverter compact fan coil made of a design metal casing including all valves. Controller is not included, must be ordered separately. IR models are delivered with IR controller in the ACC bag. Left connection models are MTO (Made To Order), not on stock. Dimensions (H x W x D) for 10/15/20 models: 335 x 902/1.100/1.300 x 128 mm</p> | Right connection models | |
| | FWXT-AT heat pump convector with 0,66 kW power output (max HE @35/30°C) | FWXT10ABTV3 3.399,- |
| | FWXT-AT heat pump convector with 1,00 kW power output (max HE @35/30°C) | FWXT15ABTV3 3.866,- |
| | FWXT-AT heat pump convector with 1,44 kW power output (max HE @35/30°C) | FWXT20ABTV3 4.334,- |
| | Left connection models | |
| | FWXT-AT heat pump convector with 0,66 kW power output (max HE @35/30°C) | FWXT10ABTV3L 3.829,- |
| | FWXT-AT heat pump convector with 1,00 kW power output (max HE @35/30°C) | FWXT15ABTV3L 4.072,- |
| | FWXT-AT heat pump convector with 1,44 kW power output (max HE @35/30°C) | FWXT20ABTV3L 4.541,- |
| | Standard (right connection) IR controller models | |
| | FWXT-AT heat pump convector with 0,66 kW power output (max HE @35/30°C) | FWXT10ABTV3C 3.733,- |
| | FWXT-AT heat pump convector with 1,00 kW power output (max HE @35/30°C) | FWXT15ABTV3C 3.984,- |
| | FWXT-AT heat pump convector with 1,44 kW power output (max HE @35/30°C) | FWXT20ABTV3C 4.446,- |
| | Left connection IR controller models | |
| | FWXT-AT heat pump convector with 0,66 kW power output (max HE @35/30°C) | FWXT10ABTV3CL 3.829,- |
| | FWXT-AT heat pump convector with 1,00 kW power output (max HE @35/30°C) | FWXT15ABTV3CL 4.072,- |
| | FWXT-AT heat pump convector with 1,44 kW power output (max HE @35/30°C) | FWXT20ABTV3CL 4.541,- |

Heat pump convector - Accessories

Controller is not included, must be ordered separately according to the table below.

| Controller is not included, must be ordered separately according to the table below. | | | |  | |  | |  | | | | | |
|--|--|---|------------------|---|----------------|--|-----|---|-----|---------------|-----|-----------------------|---------|
| | | | | FWXV10ABTV3(R) | | FWXM10ATV3(R) | | FWXM15ATV3(R) | | FWXM20ATV3(R) | | FWXT10ABTV3(C)(L)(CL) | |
| | | | | FWXV15ABTV3(R) | | | | | | | | FWXT15ABTV3(C)(L)(CL) | |
| | | | | FWXV20ABTV3(R) | | | | | | | | FWXT20ABTV3(C)(L)(CL) | |
| | | | | DC Inverter fan coil unit with sheet metal cabinet (white colour) | | Built-in DC Inverter fancoil for horizontal and vertical use | | | | | | High Wall fancoil | |
| Description | | Picture | Type / Order No. | | | | | | | Price Lei | | | |
| On-board electronic control SMART TOUCH with PID full modulating fan and thermostat | |  | EKRTCTRL1 | | Opt | | | | | | | | 796,- |
| On-board electronic control SMART TOUCH 4 speeds with thermostat | |  | EKRTCTRL2 | | Opt | | | | | | | | 731,- |
| On-board 4 speeds control switch to be combined with Daikin compatible thermostats | |  | EKPCBO | | Opt | | | | | | | | 374,- |
| On-board controller for EKWHCTRL1 | | | EKWHCTRL0 | | Opt | | Opt | | Opt | | Opt | | 603,- |
| SMART LCD wall controller with temperature probe, white casing | |  | EKWHCTRL1 | | Opt | | Opt | | Opt | | Opt | | 603,- |
| SMART LCD wall controller with temperature probe and IAQ sensor, white casing | | | EKWHCTRL1A | | Opt | | | | | | | | 1.015,- |
| Damper kit for fresh air supply | | | EKFCD80 | | Opt | | | | | | | | 531,- |
| Aesthetical feet | |  | EKFA | | Opt | | | | | | | | 374,- |
| Motorised 2-way valve (FWXV/M) | |  | EK2VK0 | | Opt | | Opt | | Opt | | Opt | | 603,- |
| Motorised 2-way valve (FWXT) | | | EKT2VK0 | | | | | | | | Opt | | 632,- |
| Motorised 3-way valve (FWXV/M) | |  | EK3VK1 | | Opt | | Opt | | Opt | | Opt | | 744,- |
| Motorised 3-way valve (FWXT) | | | EKT3VK1 | | | | | | | | Opt | | 796,- |
| L-bow 90 °C | |  | EKEUR90 | | Opt | | Opt | | Opt | | Opt | | 98,- |
| Extension piece | |  | EKDIST | | Opt | | Opt | | Opt | | Opt | | 98,- |
| Condensate collector tray for horizontal installation | |  | EKM10COH | | FWXV10ABTV3(R) | | | | | | | | 261,- |
| | | | EKM15COH | | FWXV15ABTV3(R) | | | | | | | | 276,- |
| | | | EKM20COH | | FWXV20ABTV3(R) | | | | | | | | 356,- |
| Metal casing | |  | EKM10CS | | | | Opt | | | | | | 536,- |
| | | | EKM15CS | | | | Opt | | | | | | 588,- |
| | | | EKM20CS | | | | | | Opt | | | | 632,- |
| Front cover for ceiling installation | |  | EKM10CH | | | | Opt | | | | | | 1.116,- |
| | | | EKM15CH | | | | Opt | | | | | | 1.282,- |
| | | | EKM20CH | | | | | | Opt | | | | 1.393,- |
| Front cover for wall installation | |  | EKM10CV | | | | Opt | | | | | | 1.116,- |
| | | | EKM15CV | | | | Opt | | | | | | 1.282,- |
| | | | EKM20CV | | | | | | Opt | | | | 1.393,- |
| Air intake fitting | |  | EKM10DH | | | | Opt | | | | | | 231,- |
| | | | EKM15DH | | | | Opt | | | | | | 261,- |
| | | | EKM20DH | | | | | | Opt | | | | 305,- |
| 90 °C exhaust bend (Horizontal) | |  | EKM10D90 | | | | Opt | | | | | | 231,- |
| | | | EKM15D90 | | | | Opt | | | | | | 276,- |
| | | | EKM20D90 | | | | | | Opt | | | | 305,- |
| Telescopic air flow duct | |  | EKM10DT | | | | Opt | | | | | | 507,- |
| | | | EKM15DT | | | | Opt | | | | | | 588,- |
| | | | EKM20DT | | | | | | Opt | | | | 684,- |
| Aluminum air intake grille with straight airflow | | | EKM10IS | | | | Opt | | | | | | 588,- |
| | | | EKM15IS | | | | Opt | | | | | | 684,- |
| | | | EKM20IS | | | | | | Opt | | | | 796,- |
| Straight airflow vent | | | EKM10SV | | | | Opt | | | | | | 684,- |
| | | | EKM15SV | | | | Opt | | | | | | 856,- |
| | | | EKM20SV | | | | | | Opt | | | | 1.004,- |
| Aluminum air intake grille with curved airflow | | | EKM10IC | | | | Opt | | | | | | 484,- |
| | | | EKM15IC | | | | Opt | | | | | | 536,- |
| | | | EKM20IC | | | | | | Opt | | | | 588,- |
| Aluminum air outlet grille with curved airflow | | | EKM10CA | | | | Opt | | | | | | 425,- |
| | | | EKM15CA | | | | Opt | | | | | | 484,- |
| | | | EKM20CA | | | | | | Opt | | | | 536,- |

Daikin Altherma ST

Maximising renewable energy



Why choose a Daikin Altherma ST solar panel?

Daikin's solar panels are designed to complement a variety of heating systems to garner more renewable energy to deliver hot water to your home.

ECH₂O

✓ Comfort

- › Flexible solar system for pressureless (drain-back) and pressurised solar systems
- › Hot tap water and heating support generated by solar energy
- › Highly efficient flat solar panels that are available in 3 installation options:
 - On roof
 - In-roof
 - Flat roof

✓ Energy efficiency

ECH₂O thermal store range:
Hot water savings with solar energy

Reduce your energy costs by taking advantage of the sun's renewable energy with our solar hot water systems. Built for small and large homes, individuals can choose between a pressureless or pressurised hot water system.

✓ Reliability

Keymark Certificate

- › Daikin's solar collectors have been awarded the Solar Keymark certification. Recognised across Europe, the Keymark for solar thermal products helps users select quality solar collectors. In most European countries this certification is mandatory for the products to be eligible for subsidies



011-7S1016 F

For more Marketing and technical information check:





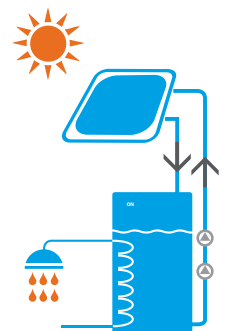
The Drain-Back solar system

✓ How is it working?

- › Starting the pump station engages the filling of the primary network and ensures the energy transfer from the solar collectors to the thermal store.
- › Whenever the pump station stops working, the water contained in the collectors goes down back to the thermal store
- › The air intake allowing the draining is ensured by an orifice always placed out of water (at atmospheric pressure)
- › Thanks to this unique way of working, no safety devices, safety valves, expansion vessels, anti-return valve or glycol are necessary

✓ Advantages

- › 0% glycol : the liquid carrying the heat is only the water inside the system
- › Self-working system with the pump station modulations depending the temperatures inside the collectors and the thermal store
- › Automatic management of the defrost mode and avoidance of overheating mode
- › No commissioning on the solar system, no replacement of the heat-carrying liquid



The pressurised solar system

✓ How is it working?

- › The heat-carrying liquid is mixed with glycol to avoid freezing in the solar collectors system
- › Whenever the solar collectors reach a useful temperature level, the system provides a continuous supply of energy
- › The energy from the collectors is returned to the thermal store thanks to the coil

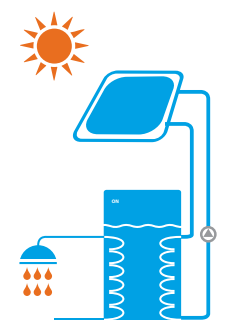
✓ Advantages

Monovalent

- › The solar system is used as first heating source and can be coupled with a wall mounted boiler. The cold water is first pre-heated in the thermal store and the boiler can provide additional heat instantaneously if needed

Bivalent

- › The solar system integrates a backup heater. The domestic hot water is directly produced in the thermal store. The additional heater ensures the back-up in case of low sunshine



Solar panel - Overview EKS21P - small vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKS21P

Solar panel EKS21P



| Number of solar panels Type of installation Article | Type | Order No. | 2 On-roof Quantity | 2 In-roof Quantity | 3 On-roof Quantity | 3 In-roof Quantity | 4 On-roof Quantity | 4 In-roof Quantity | 5 On-roof Quantity | 5 In-roof Quantity |
|--|------------|------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Solar panel | EKS21P | 162012-RTX | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| Solar panel connection | FIX-VBP | 162016-RTX | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| Installation rail for individual solar panel | FIX MP 100 | 162066 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| On-roof installation kit for one solar panel ^{DB+P)} (2 roof hooks per kit) | FIX-ADDP | 162085 | 4 ²⁾ | 0 | 6 ²⁾ | 0 | 8 ²⁾ | 0 | 10 ²⁾ | 0 |
| In-roof installation package, basic storage for two solar panel | IB EKS21P | 162017 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| In-roof installation package, additional storage for central solar panel | IE EKS21P | 162018 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 |

Material list standard solar panels with Drain-back system



| Type of installation | Type | Order No. | On-roof Quantity | In-roof Quantity |
|---|--------------------|-----------------------------------|---------------------|---------------------|
| Control and pump unit | RPS 4 | EKS RPS4A | 1 | 1 |
| Support for connecting pipe solar panel | TS | 164245 | 1 | 1 |
| Connection pipe solar panel | CON 15 | 164732 | 1 | 1 |
| Roof penetration pack solar panel on-roof | EKSRCAP EKSRCRP | EKSRCAP anthracite EKSRCRP red | 1 | 0 |
| Installation accessories, solar panel in-roof | RCIP | 162037-RTX | 0 | 1 |

Nominal volume, complete system

| | | | | |
|---------------------------|-------|-------|-------|-------|
| Number of solar panels | 2 | 3 | 4 | 5 |
| Connecting line 15m | DN 16 | DN 16 | DN 20 | DN 20 |
| Nominal system volume (l) | 20,2 | 21,5 | 22,8 | 24,1 |

Material list solar panels with pressurised system ¹⁾



| Number of solar panels Article | Type | Order No. | up to 2 Quantity | up to 3 Quantity | 4 to 5 Quantity |
|--|-----------|-----------|---------------------|---------------------|--------------------|
| Controller | EKSDSR1A | EKSDSR1A | 1 | 1 | 1 |
| Pressure station solar panel | EKS RDS2A | EKS RDS2A | 1 | 1 | 1 |
| Solar panel pressurised solar line DN16 15m | CON 15P16 | 162073 | 1 | 1 | 0 |
| Solar panel pressurised solar connection kit DN16 | CON CP16 | 162075 | 1 | 1 | 0 |
| Solar panel pressurised solar line DN20 15m | CON 15P20 | 162074 | 0 | 0 | 1 |
| Solar panel pressurised solar connection kit DN20 | CON CP20 | 162076 | 0 | 0 | 1 |
| Solar panel expansion vessel 12l * | MAG S12 | 162070 | 1 | 0 | 0 |
| Solar panel expansion vessel 25l * | MAG S 25 | 162050 | 0 | 1 | 0 |
| Solar panel expansion vessel 35l * | MAG S 35 | 162051 | 0 | 0 | 1 |
| Installation material solar panel with pressure system ¹⁾ | RCP | EKS RCP | 1 | 1 | 1 |



Drain-back system



Pressurised system

DB) Only required for installations with drain-back system.

P) Only required for pressurised installations.

* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.

1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.

2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

Solar panel - Overview EKS26P - standard vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKS26P

Solar panel EKS26P



| Number of solar panels Type of installation / Article | Type | Order No. | 2 On-roof Quantity | 2 In-roof Quantity | 2 Flat roof Quantity | 3 On-roof Quantity | 3 In-roof Quantity | 3 Flat roof Quantity | 4 On-roof Quantity | 4 In-roof Quantity | 4 Flat roof Quantity | 5 On-roof Quantity | 5 In-roof Quantity | 5 Flat roof Quantity |
|--|---------------|----------------|--------------------------|--------------------------|----------------------------|--------------------------|--------------------------|----------------------------|--------------------------|--------------------------|----------------------------|--------------------------|--------------------------|----------------------------|
| Solar panel | EKS26P | EKS26P | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |
| Solar panel connection | FIX-VBP | 162016 -RTX | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |
| Mounting rail single collector | FIX MP 130 | 162067 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |
| On-roof installation pack for one solar panel ^(DB+P) (2 roof hooks per kit) | FIX-ADDP | 162085 | 4 ²⁾ | 0 | 0 | 6 ²⁾ | 0 | 0 | 8 ²⁾ | 0 | 0 | 10 ²⁾ | 0 | 0 |
| In-roof installation kit, basic flashing for two solar panels | IB V26P | 162019 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| In-roof installation pack, additional flashing for central solar panel | IE V26P | 162020 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 3 | 0 |
| Flat-roof frame, basic pack for two solar panels | FB V26P | 162058 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| Flat-roof frame, expansion pack additional solar panel | FE V26P | 162059 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 3 |

Material list standard solar panels with Drain-back system



| Number of solar panels Installation type / Article | Type | Order No. | On-roof Quantity | In-roof Quantity | Flat roof Quantity |
|--|------------------|---------------------------------|------------------|---------------------|-----------------------|
| Control and pump unit | EKS26P | EKS26P | 1 | 1 | 1 |
| Additional support troughs for connecting pipe solar panel | TS | 164245 | 1 | 1 | 1 |
| Connection pipe solar panel | CON 15 | 164732 | 1 | 1 | 1 |
| Roof penetration pack solar panel on-roof | EKS26P EKS26P | EKS26P Anthracite EKS26P Red | 1 | 0 | 0 |
| Installation accessories, solar panel in-roof | RCIP | 162037-RTX | 0 | 1 | 0 |
| Roof penetration pack solar panel flat roof | RCFP | 162038-RTX | 0 | 0 | 1 |

Material list solar panels with pressure system ¹⁾



| Number of solar panels Installation type / Article | Type | Order No. | up to 2 Quantity | up to 3 Quantity | 4 to 5 Quantity | Nominal volume, complete system | | | | |
|---|-----------|-----------|---------------------|---------------------|--------------------|-------------------------------------|-------|-------|-------|-------|
| Controller | EKSDSR1A | EKSDSR1A | 1 | 1 | 1 | Number of solar panels | 2 | 3 | 4 | 5 |
| Pressure station solar panel | EKS RDS2A | EKS RDS2A | 1 | 1 | 1 | | | | | |
| Solar panel pressurised solar line DN16 15m | CON 15P16 | 162073 | 1 | 1 | 0 | Connecting line 15m | DN 16 | DN 16 | DN 20 | DN 20 |
| Solar panel pressurised solar connection kit DN16 | CON CP16 | 162075 | 1 | 1 | 0 | | | | | |
| Solar panel pressurised solar line DN20 15m | CON 15P20 | 162074 | 0 | 0 | 1 | Nominal volume entire system (l) | 21 | 22,7 | 24,4 | 26,1 |
| Solar panel pressurised solar connection kit DN20 | CON CP20 | 162076 | 0 | 0 | 1 | | | | | |
| Solar panel expansion vessel 12l * | MAG S12 | 162070 | 1 | 0 | 0 | | | | | |
| Solar panel expansion vessel 25l * | MAG S 25 | 162050 | 0 | 1 | 0 | | | | | |
| Solar panel expansion vessel 35l * | MAG S 35 | 162051 | 0 | 0 | 1 | | | | | |
| Installation material solar panel with pressure system ¹⁾ | RCP | EKS RCP | 1 | 1 | 1 | | | | | |

Material list for standard solar panel systems for hot water preparation and heating support EKSH26P

Solar panel
H26 P


| Number of solar panels Type of installation Article | Type | Order No. | 1 On-roof Quantity | 1 Flat roof Quantity | 2 On-roof Quantity | 2 Flat roof Quantity | 3 On-roof Quantity | 3 Flat roof Quantity | 4 On-roof Quantity | 4 Flat roof Quantity | 5 On-roof Quantity | 5 Flat roof Quantity |
|---|------------|------------|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|
| Solar panel | EKSH26P | EKSH26P | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| Solar panel connection | FIX-VBP | 162016-RTX | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| Installation rail guide for individual solar panel | FIX MP 200 | 162068 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| On-roof installation pack for one solar panel ^{P)} (4 roof hooks per kit) | FIX-ADDP | 162085 | 2 ²⁾ | 0 | 4 ²⁾ | 0 | 6 ²⁾ | 0 | 8 ²⁾ | 0 | 10 ²⁾ | 0 |
| Flat roof support frame basic kit for one solar panel | FB H26P | 162060 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| Flat roof trestle Extension pack for one additional solar panel | FE H26P | 162061 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 4 |



| Nominal volume, complete system | | | | |
|---------------------------------|-------|-------|-------|-------|
| Number of solar panels | 2 | 3 | 4 | 5 |
| Connecting line 15m | DN 16 | DN 16 | DN 20 | DN 20 |
| Nominal volume system (l) | 21,6 | 23,9 | 26,0 | 28,1 |

Material list solar panels with pressure system ¹⁾


Pressurised system

| Number of solar panels Installation type / Article | Type | Order No. | up to 3 Quantity | 4 to 5 Quantity |
|--|------------|------------|---------------------|--------------------|
| Pressurised thermal store | EKHWP500PB | EKHWP500PB | 1 | 1 |
| Controller | EKSDSR1A | EKSDSR1A | 1 | 1 |
| Pressure station solar panel | EKSRDS2A | EKSRDS2A | 1 | 1 |
| Solar panel pressurised solar line DN16 15m | CON 15P16 | 162073 | 1 | 0 |
| Solar panel pressurised solar connection kit DN16 | CON CP16 | 162075 | 1 | 0 |
| Solar panel pressurised solar line DN20 15m | CON 15P20 | 162074 | 0 | 1 |
| Solar panel pressurised solar connection kit DN20 | CON CP20 | 162076 | 0 | 1 |
| Solar panel expansion vessel 12l * | MAG S12 | 162070 | 0 | 0 |
| Solar panel expansion vessel 25l * | MAG S 25 | 162050 | 1 | 0 |
| Solar panel expansion vessel 35l * | MAG S 35 | 162051 | 0 | 1 |
| Installation material solar panel with pressure system ¹⁾ | RCP | EKSRCP | 1 | 1 |

P) Only required for pressurised installations.

* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.

- 1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
- 2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

List of materials for solar components that connect several storage tanks

DB

| Total number of storage tanks Article | Type | Order No. | 2 Quantity | 3 Quantity |
|--|---------|------------|---------------|---------------|
| Solar panel storage tank extension kit 1 | CON SX | 160120 | 1 | 1 |
| Solar panel storage tank extension kit 2 | CON SXE | 160121 | 0 | 1 |
| Solar panel FlowGuard solar flow regulator | FLG | 164102-RTX | 2 | 3 |
| RPS4 solar regulation and pump unit | EXSRPS4 | EKSRPS4A | 1 | 1 |




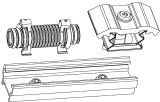



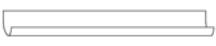
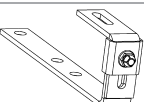
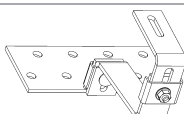
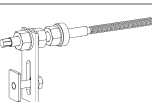
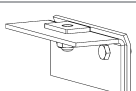


Daikin Altherma ST

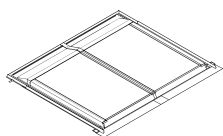
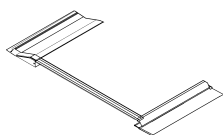
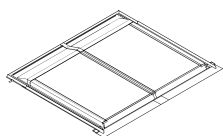
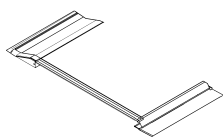
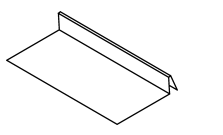
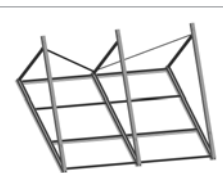


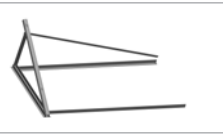
Solar heating system



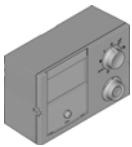
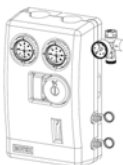


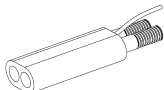


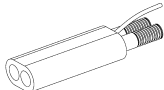



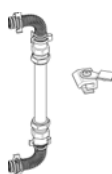
Solar system for pressurised use and Drain-back system

| Article | | | Type / Order No. | Price Lei |
|---|--|------------|------------------|-----------|
|  | High-efficiency flat solar panel EKS series Dimensions (HxWxD): 2.000x1.006x85 mm Solar panel area 1,79 m ² , weight 35 kg. Water content 1,3 l, Max. pressure 6 bar. | EKS series | EKS series | 4.011,- |
|  | High-efficiency flat solar panel EKS series Dimensions (HxWxD): 2.000x1.300x85 mm Solar panel area 2,35 m ² , weight 42 kg. Water content 1,7 l, Max. pressure 6 bar. | EKS series | EKS series | 4.605,- |
|  | High-efficiency flat solar panel EKS series Dimensions (HxWxD): 1.300x2.000x85 mm Solar panel area 2,35 m ² , weight 42 kg. Water content 2,1 l, Max. pressure 6 bar. | EKS series | EKS series | 4.730,- |
|  | Solar panel connection Installation profile connector, expansion joints and double clamping blocks. | FIX-VBP | 162016-RTX | 389,- |
|  | Installation profile rail for EKS series Consisting of installation profile rails and solar panel securing clips. | FIX MP 100 | 162066 | 281,- |
|  | Installation profile rail for EKS series Consisting of installation profile rails and solar panel securing clips. | FIX MP 130 | 162067 | 305,- |
|  | Installation profile rail for EKS series Consisting of installation profile rails and solar panel securing clips. | FIX MP 200 | 162068 | 419,- |
|  | Support for connecting pipe solar panel Support troughs (5 in number, length, in each case, 1,3m) for support of the solar panel plastic connection lines in Drain-Back. | TS | 164245 | 54,- |
|  | On-roof installation pack slate 4 roof hooks for flat roofing, e.g. slate, for one solar panel. | FIX ADS | 164723 | 401,- |
|  | On-roof installation pack MULTI 2 height-adjustable roof hooks for drain-back and pressure system, including mounting materials. | FIX-ADDP | 162085 | 367,- |
|  | Roof holder for corrugated covering 4 holders including fixing material for one solar panel. | FIX-WD | 164703-RTX | 389,- |
|  | Roof holder for welded sheet metal covering 4 holders including fixing material for one solar panel. Note: for on-roof installation only. | FIX-BD | 164704-RTX | 459,- |

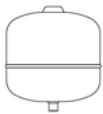

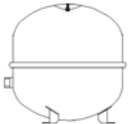



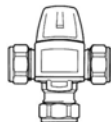


Solar system for pressurised use and Drain-back system

| Article | | Type / Order No. | Price Lei |
|---|---|--------------------|-----------|
|  | Basic in-roof assembly package EKS V21P Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°. | IB V21P 162017 | 3.443,- |
|  | Extension kit in-roof mounting EKS V21P Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°. | IE V21P 162018 | 1.537,- |
|  | Basic in-roof mounting pack EKS V26P Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°. | IB V26P 162019 | 3.675,- |
|  | Expansion in-roof mounting pack EKS V26P Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°. | IE V26P 162020 | 1.609,- |
|  | In-roof covering slate supplementary pack 30 layer pieces for flat coverings, e.g. slate (per basic in-roof pack you will need one supplementary pack). | FIX-IES 164616-RTX | 901,- |
|  | Basic pack flat-roof frame for mounting of two EKS V26P solar panels on flat roofs Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3). | FB V26P 162058 | 4.134,- |
|  | Extension pack flat-roof frame for one additional EKS V26P solar panel Extension for FB V26P. | FE V26P 162059 | 1.648,- |
|  | Basic pack flat-roof frame for mounting of one EKSH26P collector on flat roofs Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3). | FB H26P 162060 | 1.955,- |
|  | Extension pack flat-roof frame for one additional EKSH26P solar panel Extension for FB H26P. | FE H26P 162061 | 1.277,- |
| | Disassembly tools ducts drain-back system | FIX LP 162029-RTX | 54,- |

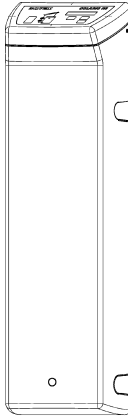

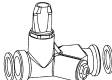


Solar system for pressurised use

| Article | | Type / Order No. | Price Lei |
|---|--|-------------------|-----------|
|  | Controller Temperature-difference regulator for the solar panel with pressure system. Regulator with graphic display for representation of hydraulic schematics and yield balances, for example. Including return flow and storage tank temperature sensor and housing for wall mounting. | EKSDSR1A EKSDSR1A | 1.034,- |
|  | Pressure station Consists of: Pipe connection ø 22mm including pipe compression fittings and support sleeves (5x), flow measurement unit with 2 x KFE cock, integrated air separator, ball-cocks with integrated back-flow prevention, Grundfos Solar 25-65 pump, safety group with pressure gauge, including insulation and installation accessories. | EKSRDS2A EKSRDS2A | 2.913,- |
|  | ROTEX Solaris plate heat exchanger (6 kW) For connecting the ROTEX PRESSURE STATION to an unpressurised storage tank. For pressurised solar systems with up to 5 solar panels | RPWT1 162031-RTX | 3.192,- |
|  | Fill and drain connection For RPS3 and tanks from 2013 onwards, for easy filling and emptying through the fill and drain valve. | KFE BA 165215 | 207,- |
|  | Solar panel pressurised solar line DN 16 15m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 16. For systems of up to 3 solar panels and a line length of up to 25m. Without connection fittings. | CON 15P16 162073 | 3.406,- |
|  | Solar panel pressurised solar connection kit DN 16 All necessary fittings for connecting the pressurised solar line DN 16. Required together with CON 15P16. | CON CP16 162075 | 525,- |
|  | Solar panel pressurised solar connection kit DN 16 Fittings for connecting two pressurised solar lines DN 16. | CON XP16 162071 | 84,- |
|  | Solar panel pressurised solar line DN 20 15m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 20. For systems up to 5 solar panels and a line length of up to 25m. Without connection fittings. | CON 15P20 162074 | 4.219,- |
|  | Pressurised solar connection kit DN 20 All necessary fittings for connecting the pressurised solar line DN 20. Always required together with CON 15P20. | CON CP20 162076 | 750,- |
|  | Solar panel pressurised solar connection kit DN 20 Fittings for connecting the pressurised solar line DN 20. | CON P20 162072 | 126,- |
|  | Installation material solar panel pressurised system Connection fittings for pressurised systems and solar panel installation material, consisting of installation material for solar panel and connection pipe, 2m UV-proof thermal insulation for the outer area, connection fittings and panel temperature sensor. The roof penetration must be provided to the customer. | RCP EKSRCP | 1.290,- |
|  | Solar panel row connection for the solar panel with pressure system Connection kit for connecting two rows of solar panels in parallel. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1m thermally-insulated piping. | CON LCP 162045 | 750,- |



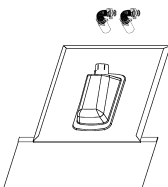
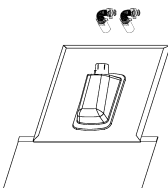

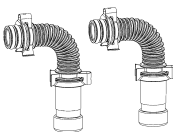
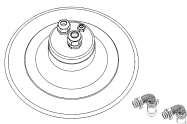
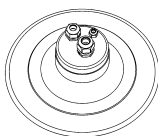

Solar panel - pressure system

| Article | | Type / Order No. | Price Lei |
|--|--|---------------------------|-----------|
|  | Expansion vessel 12l with connection block For solar panels with pressure systems of max. 2 x EKS21P - solar panels. | MAG S12 162070 | 981,- |
|  | Expansion vessel 25l with connection block For solar panels with pressure systems of max. 3 solar panels. | MAG S 25 162050 | 975,- |
|  | Expansion vessel 35l with connection block For solar panels with pressure systems of max. 5 solar panels. | MAG S 35 162051-RTX | 1.498,- |
|  | GLYCOL CORACON SOL 5F 20l can of pre-mixed solar fluid, functional range up to -28°C. | CORACON SOL 5F 162052-RTX | 651,- |
|  | GLYCOL CORACON SOL 5 1l of solar fluid concentrate for extension of the frost range. With 20l of solar fluid with 1 l additive, the use range extends down to -33°C. For 20l of solar fluid with 2x 1l of additive, the functional range is extended to -38°C. | CORACON SOL 5 162053 | 95,- |
|  | Circulation lance For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the warm-water storage tank. | ZKL 165113 | 853,- |
|  | Thermostatic mixer as scalding protector Thermal safety device for the domestic water pipe. Setting range 35-60°C. | VTA32 156015 | 525,- |
| | Screw connection kit 1" For connection of the scald protection VTA32. | 156016 | 207,- |
|  | Thermostatic regulator 230V With capillary tube temperature sensor, setting range 35-85°C. | SCS-TR 164130 | 657,- |
|  | 3-way switching valve 1" male With motor drive 230V, switchover time 6 sec. | 3 W-UV 156034 | 657,- |





Solar system for drain-back use

| Article | | Type / Order No. | Price Lei |
|---|---|-----------------------|----------------|
|  | EKS RPS4 regulation and pump unit Ready to plug in unit (230V), with digital differential temperature regulation, return and storage tank temperature sensors, high-efficiency circulation pump. INFO: The flow sensor (FLS 20), included in the supply, provides more effective operation of the EKS RPS4. In addition to direct calculation of the heat output, the sensor allows modulation of the operating pump and thus an additional saving in electrical energy. | EKS RPS4 EKS RPS4A | 5.012,- |
| | Fill and tap connection solar panel with drain-back system For easy filling of solar panels with drain-back system from 2013 onwards through the solar flow connector. | KFE DB BA 165216 | 294,- |
|  | Burner blocking contact connection cable For RPS2, RPS3, RPS3 M, RPS3 25M. | BSKK 164110-RTX | 126,- |
|  | Solar panel FlowGuard solar flow regulator with solar flow indicator 2-16l / min. | FLG 164102-RTX | 419,- |
|  | Connection tube solar panel Ready to connect connection line 15m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable. | CON 15 164732 | 953,- |
|  | Connection tube solar panel Ready to connect connection line 20m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable. | CON 20 164733 | 1.134,- |

Solar system for drain-back use

| Article | | | Type / Order No. | Price Lei | | | | | | | | | |
|---|---|------------------------|------------------|---------------------|---|-----|---|-----|---|-----|---|-----|--|
|  | Extension connection tube solar panel Ready to plug in including installation material and connection fittings L = 5,0m L = 10,0m Maximum possible length of the connection pipe: | CON X 50 CON X 100 | 164262 164263 | on request 888,- | | | | | | | | | |
| <table><tr><th>Number of solar panels</th><th>Max. length</th></tr><tr><td>2</td><td>45m</td></tr><tr><td>3</td><td>30m</td></tr><tr><td>4</td><td>17m</td></tr><tr><td>5</td><td>15m</td></tr></table> | | Number of solar panels | Max. length | | 2 | 45m | 3 | 30m | 4 | 17m | 5 | 15m | |
| Number of solar panels | Max. length | | | | | | | | | | | | |
| 2 | 45m | | | | | | | | | | | | |
| 3 | 30m | | | | | | | | | | | | |
| 4 | 17m | | | | | | | | | | | | |
| 5 | 15m | | | | | | | | | | | | |
|  | Extension of the inflow pipe UV-resistant thermally-insulated, length = 8m, including cable connecting fitting for the solar panel sensor line. | CON XV 80 | 164264 | 764,- | | | | | | | | | |
|  | On-roof roof penetration, anthracite Roof penetration pack with connection fittings and solar panel installation material, consisting of anthracite roof penetration, installation material for solar panel and connection pipe, 2m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor. | EKSRCAP | EKSRCAP | 1.784,- | | | | | | | | | |
|  | On-roof roof penetration, tile red Roof penetration pack with connection fittings and solar panel installation material, consisting of tile red roof penetration, installation material for solar panel and connection pipe, 2m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor. | EKSRCRP | EKSRCRP | 1.784,- | | | | | | | | | |
|  | Solar panel panel row connection Connection kit for connecting two rows of solar panels one above the other. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1m thermally-insulated piping. | CON RVP | 162035-RTX | 502,- | | | | | | | | | |
|  | Installation material, solar panel in-roof Ready to plug in including installation material and connection fittings. | RCIP | 162037-RTX | 942,- | | | | | | | | | |
|  | Roof penetration, flat roof Roof penetration pack with connection fittings and solar panel installation material, consisting of flat-roof roof penetration, installation material for solar panel and connection pipe, 8.5m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor. | RCFP | 162038-RTX | 1.800,- | | | | | | | | | |
|  | Roof penetration flat-roof for alternate side solar panel connection Flat roof penetration with screw connections and blind plugs for penetration openings which are not used. | CON FE | 164709 | 555,- | | | | | | | | | |
|  | Solar panel boiler extension kit Connection kit for the connection of two warm-water storage tanks, consisting of drain-back connection tube and lead supply line. | CON SX | 160120 | 1.176,- | | | | | | | | | |

Solar panels - drain-back system

| Article | | Type/Order No. | Price Lei |
|---|---|----------------|----------------|
|  | Solar panel storage tank extension kit 2 Connection kit for the connection of additional warm-water storage tanks, consisting of drain-back connection tube and lead supply line. | CON SXE 160121 | 1.109,- |
|  | Circulation lance For energetically-optimised incorporation of the tap-water circulation in the hot water connection of the warm-water storage tank. | ZKL 165113 | 853,- |
|  | Thermostatic mixer as scalding protector Thermal safety device for the warm-water pipe. Setting range 35-60°C. | VTA32 156015 | 525,- |
| | Screw connection kit 1" For connection of the scald protection VTA32. | 156016 | 207,- |
|  | Thermostatic regulator 230V With capillary tube temperature sensor, setting range 35-85°C. | SCS-TR 164130 | 657,- |
|  | 3-way switching valve 1" male With motor drive 230V, switch-over time 6 sec. | 3 W-UV 156034 | 657,- |



Residential ventilation

Centralized Heat Recovery
Ventilation (CHRV)



CHRV



Accessories



Why DUCO?

DUCO offers end-to-end solutions

One-stop-shop for your end-to-end ventilation solution

Complete range of Centralized Heat Recovery Ventilation (CHRV) units, ducts & accessories.

Smart demand control

The room is only ventilated when necessary and in the correct amount. CO₂ concentration and air humidity are used as indicators. This helps avoiding unnecessary heat loss while guaranteeing an optimal indoor climate.

One of the quietest systems

A comfortable indoor climate is created by whisper-quiet ventilation systems. DUCO excels in acoustics both in its supply and exhaust airs.

Intuitive quotation process

Upon request, Daikin can provide an easy-to-use tool to calculate the units and accessories needed for your specific projects. A complete calculation request can also be carried out on Daikin Heating Solutions Navigator Platform.

Automatic calibration

The automatic calibration, whereby the measuring and adjustment technology is based on the principles of calibration under constant pressure, always offers a 100% guarantee of a qualitative end result and translates into a 50% saving in set-up time for the installer.

Connectivity

With the optional Communication Print you have the option of allowing the DUCO ventilation systems to communicate via ModBus and/or Ethernet. ModBus integration enables them to be linked to a building management system.

High energy conversion efficiency

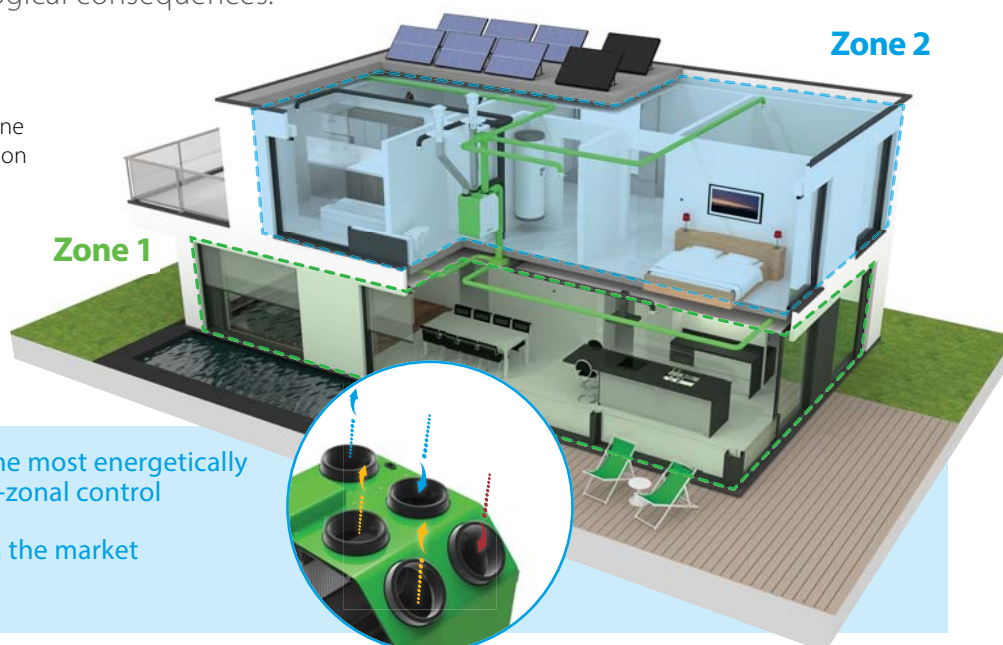
The combination of dynamic air distribution filters and high performance heat exchangers result in very high efficiency ratio.

Only at Daikin

Thanks to DUCO, Daikin offers Centralized HRV systems with an integrated 2-zone valve. With the 2-zone version of the DucoBox Energy Premium, Daikin's product range is extended with a unique ventilation system with embedded 2-zone control. If a certain zone does not require ventilation, that zone is not ventilated. Cost savings on heating, lower consumption and noise comfort of the unit itself (lower rpm) are the logical consequences.

Sensors meticulously detect the residents' movements throughout the home. This makes it possible to automatically determine where, when and in what amount ventilation is required.

By controlling the two zones separately with a built-in valve, the consumption of the EC fans is reduced considerably, which translates into an A+ energy label.



- ✓ Optimal indoor air quality in the most energetically optimised manner thanks to 2-zonal control
- ✓ Quietest ventilation system on the market
- ✓ Automatic calibration

Centralized Heat Recovery Ventilation

| Order No. | DESCRIPTION | Premium | Comfort Plus | | | Comfort | | Price Lei |
|---|---|---------|--------------|-----|-----|---------|-----|-----------|
| | | 325/400 | 550 | 450 | 350 | 400 | 325 | |
| DucoBox Energy Premium (EU plug) | | | | | | | | |
| 00004358 | DucoBox Energy Premium 325 - 1ZS Left | ✓ | | | | | | 14.890,- |
| 00004360 | DucoBox Energy Premium 325 - 1ZH Left | ✓ | | | | | | 15.654,- |
| 00004366 | DucoBox Energy Premium 400 - 1ZS Left | ✓ | | | | | | 16.794,- |
| 00004368 | DucoBox Energy Premium 400 - 1ZH Left | ✓ | | | | | | 17.558,- |
| 00004362 | DucoBox Energy Premium 325 - 2ZS Left | ✓ | | | | | | 17.175,- |
| 00004364 | DucoBox Energy Premium 325 - 2ZH Left | ✓ | | | | | | 17.933,- |
| 00004370 | DucoBox Energy Premium 400 - 2ZS Left | ✓ | | | | | | 19.079,- |
| 00004372 | DucoBox Energy Premium 400 - 2ZH Left | ✓ | | | | | | 19.843,- |
| 00004359 | DucoBox Energy Premium 325 - 1ZS Right | ✓ | | | | | | 14.890,- |
| 00004361 | DucoBox Energy Premium 325 - 1ZH Right | ✓ | | | | | | 15.654,- |
| 00004367 | DucoBox Energy Premium 400 - 1ZS Right | ✓ | | | | | | 16.794,- |
| 00004369 | DucoBox Energy Premium 400 - 1ZH Right | ✓ | | | | | | 17.558,- |
| 00004363 | DucoBox Energy Premium 325 - 2ZS Right | ✓ | | | | | | 17.175,- |
| 00004365 | DucoBox Energy Premium 325 - 2ZH Right | ✓ | | | | | | 17.933,- |
| 00004371 | DucoBox Energy Premium 400 - 2ZS Right | ✓ | | | | | | 19.079,- |
| 00004373 | DucoBox Energy Premium 400 - 2ZH Right | ✓ | | | | | | 19.843,- |
| 00004706 | DucoBox Energy Comfort Plus D550 | | ✓ | | | | | 20.257,- |
| 00004705 | DucoBox Energy Comfort Plus D450 | | | ✓ | | | | 16.684,- |
| 00004704 | DucoBox Energy Comfort Plus D350 | | | | ✓ | | | 14.896,- |
| 00004707 | DucoBox Energy Comfort D400 | | | | | ✓ | | 12.451,- |
| 00004649 | DucoBox Energy Comfort D325 | | | | | | ✓ | 11.842,- |
| Options & Accessories for DucoBox Energy series | | | | | | | | |
| 00004251 | Communication print (Energy Premium & Comfort) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.257,- |
| 00004376 | Siphon flat (Energy Premium & Comfort) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 430,- |
| 00004417 | Filter set 2 x Coarse 65 % (Energy Premium) | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | 259,- |
| 00004416 | Filter set Coarse 65 % / ePM1 70 % (Energy Premium) | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | 281,- |
| 00004661 | Filterset Coarse 65% /ePM1 55% (Energy Comfort D325) | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | 445,- |
| 00004547 | Filter set 2 x Coarse 65 % (Energy Comfort D325) | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | 394,- |
| 00004741 | Filterset 2 x Coarse 65 % (Energy Comfort D400 & Plus D350/D450/D550) | ✗ | ✓ | ✓ | ✓ | ✓ | ✗ | 362,- |
| 00004742 | Filterset Coarse 65% /ePM1 70% (Energy Comfort D400 & Plus D350/D450/D550) | ✗ | ✓ | ✓ | ✓ | ✓ | ✗ | 445,- |
| 00004422 | Mounting chair hanging (Energy Premium) | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | 1.257,- |
| 00004546 | Mounting chair standing (Energy Comfort D325) | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | 749,- |
| 00004740 | Standing chair (Energy Premium / Comfort D400/Plus) | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | 1.039,- |
| 00004418 | Coaxial cable set 8m (Energy Premium / Comfort / Comfort Plus) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 189,- |
| 00004807 | Pre-Heater DucoBox Energy Comfort (Plus) - 1425W | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.359,- |
| 00004761 | Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø125 | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | 823,- |
| 00004760 | Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø160 | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | 823,- |
| 00004763 | Power supply 230VAC-24VDC/20W + housing | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | 248,- |
| 00004762 | Duco Wired power adapter 230VAC-24VDC/20W | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | 248,- |
| Sensors for DucoBox Energy series | | | | | | | | |
| 00004174 | Switch sensor (Energy Premium / Comfort /Comfort Plus) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 837,- |
| 00004374 | Boxsensor (Energy Premium) | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | 1.257,- |
| 00004174 | Switch sensor (Energy Premium / Comfort /Comfort Plus) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 837,- |
| 00004723 | Humidity Box Sensor (Energy Comfort & Energy Comfort Plus) | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | 766,- |
| 00004603 | CO ₂ Sensor RF / Wired (User control + Air quality measurement - Black | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2.073,- |
| 00004604 | CO ₂ Sensor RF / Wired (User control + Air quality measurement - White | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2.073,- |
| 00004605 | Humidity Sensor RF / Wired (User control + Air quality measurement - Black) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.257,- |
| 00004606 | Humidity Sensor RF / Wired (User control + air quality measurement - White) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.257,- |
| 00004175 | User controller RF / Battery (Black) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 521,- |
| 00004600 | User controller RF / Battery (White) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 521,- |
| 00004601 | User controller RF / Wired (Black) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.044,- |
| 00004602 | User controller RF / Wired (White) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.044,- |
| 00004636 | CO ₂ Room sensor without control RF/Wired (Air quality measurement only - Black) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.566,- |
| 00004637 | CO ₂ Room sensor without control RF/Wired (Air quality measurement only - White) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.566,- |
| DucoVent for DucoBox Energy series | | | | | | | | |
| 00004178 | DucoVent Basic (supply and exhaust) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 127,- |
| 00004179 | DucoVent Design square standard AK (exhaust) - RAL 9010 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 521,- |
| 00004226 | DucoVent Design square XL AK (supply and exhaust) - RAL 9010 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 521,- |
| 00004210 | DucoVent Design round AK (supply and exhaust) - RAL 9010 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 521,- |
| 00004211 | DucoVent Design rounded square standard AK (exhaust) - RAL 9010 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 521,- |
| 00004227 | DucoVent Design rounded square XL AK (supply and exhaust) - RAL 9010 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 521,- |
| 10300800 | DoorVent RAL 9001 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 314,- |
| 10300700 | DoorVent RAL 9010 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 314,- |
| DucoFlex: Plenums | | | | | | | | |
| 00004563 | DucoFlex Manifold box (floor) 12x63 D180 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 976,- |
| 00004564 | DucoFlex Manifold box (ceiling) 12x63 D180 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 976,- |
| 00004565 | DucoFlex Manifold box (floor) 12x63 + 2 x oval air ducts | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 976,- |
| 00004701 | DucoFlex Manifold box (floor and ceiling) 3 x oval air ducts (F) + 1 x oval air duct (M) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 380,- |
| 00004687 | DucoFlex Manifold box (floor and ceiling) 4 x oval air ducts (F) D160 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 380,- |

Centralized Heat Recovery Ventilation

| Order No. | DESCRIPTION | Premium | Comfort Plus | | | | Comfort | | Price Lei |
|---|---|---------|--------------|-----|-----|-----|---------|------------|-----------|
| | | 325/400 | 550 | 450 | 350 | 400 | 325 | | |
| DucoFlex: Bend splitters | | | | | | | | | |
| 00004681 | DucoFlex 90° Bend splitter vent connector long - oval/D125 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 131,- | |
| 00004682 | DucoFlex 90° Bend splitter vent connector short - oval/D125 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 95,- | |
| 00004566 | DucoFlex connector riser round D160 - 2 oval | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 248,- | |
| DucoFlex: Adapters | | | | | | | | | |
| 00004684 | DucoFlex Adapter 3x63 oval | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 155,- | |
| 00004685 | DucoFlex Adapter 2x75 oval | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 155,- | |
| 00004686 | DucoFlex Adapter 2x90 oval | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 161,- | |
| 00004638 | DucoFlex horizontal connector oval - D125 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 148,- | |
| 00004700 | DucoFlex horizontal connector D160 2 x oval | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 190,- | |
| DucoFlex: Coupling | | | | | | | | | |
| 00004554 | DucoFlex Coupling D63 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 52,- | |
| 00004677 | DucoFlex Coupling D75 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 54,- | |
| 00004678 | DucoFlex Coupling D90 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 54,- | |
| 00004568 | DucoFlex oval duct coupling | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 40,- | |
| DucoFlex: Elbows | | | | | | | | | |
| 00004679 | DucoFlex Elbow 90° D75 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 149,- | |
| 00004680 | DucoFlex Elbow 90° D90 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 167,- | |
| 00004609 | DucoFlex horizontal elbow 90°/45° rigid oval duct | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 113,- | |
| 00004699 | DucoFlex vertical elbow 90° rigid oval duct | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 100,- | |
| 00004553 | DucoFlex rubber O-ring D63 (10 pieces) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 113,- | |
| 00004675 | DucoFlex rubber O-ring D75 (10 pieces) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 125,- | |
| 00004676 | DucoFlex rubber O-ring D90 (10 pieces) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 155,- | |
| DucoFlex: Semiflexible duct (round & oval) | | | | | | | | | |
| 00004552 | DucoFlex round semi-rigid duct D63 (50 m) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.010,- | |
| 00004674 | DucoFlex round semi-rigid duct D75 (50 m) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.195,- | |
| 00004692 | DucoFlex round semi-rigid duct D90 (50 m) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.439,- | |
| 00004567 | DucoFlex oval air duct B163xH68xL1150 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 113,- | |
| DucoFlex: Feed-through via facade outside | | | | | | | | | |
| 00004627 | DucoFlex Wall feed-through D160 white | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 689,- | |
| 00004584 | DucoFlex Wall feed-through D160 black | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 689,- | |
| 00004628 | DucoFlex Wall feed-through D180 white | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 810,- | |
| 00004585 | DucoFlex Wall feed-through D180 black | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 810,- | |
| DucoFlex: Feed-through via flat or sloping roof | | | | | | | | | |
| 00004582 | DucoFlex Roof feed-through Compact D160 - Slate | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 582,- | |
| 00004580 | DucoFlex Roof feed-through Compact D160 - Terracotta | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 582,- | |
| 00004578 | DucoFlex universal roof feed-through D160/180 (1.0 m) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 957,- | |
| 00004581 | DucoFlex Roof feed-through plate flat roof D204 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 259,- | |
| 00004579 | DucoFlex universal roof feed-through tile D205 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1.010,- | |
| DucoFlex: Silencers | | | | | | | | | |
| 00004586 | DucoFlex Silencer flexible D125 L1000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 113,- | |
| 00004630 | DucoFlex Silencer flexible D125 (M/F) L1000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 259,- | |
| 00004631 | DucoFlex Silencer flexible D160 (M/M) L1000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 295,- | |
| 00004632 | DucoFlex Silencer flexible D180 (M/M) L1000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 314,- | |
| 00004587 | DucoFlex Silencer semi rigid D160 (M/M) L1000 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 449,- | |
| 00004588 | DucoFlex Silencer semi rigid D180 (M/M) L1000 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 521,- | |
| DucoFlex: Tools | | | | | | | | | |
| 00004599 | DucoFlex Tube cutter D63 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 387,- | |
| 00004688 | DucoFlex Tube cutter D75 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 411,- | |
| 00004689 | DucoFlex Tube cutter D90 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 440,- | |
| DucoFlex: Connections | | | | | | | | | |
| 00004724 | Muff with rubber D160/D160 (M/M) [connection piece with joint] | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 42,- | |
| 00004725 | Muff with rubber D180/D160 (M/M) [connection piece with joint] | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 57,- | |
| 00004726 | Muff with rubber D180/D180 (M/M) [connection piece with joint] | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 50,- | |
| 00004727 | Muff with rubber D200/D180 (M/M) [connection piece with joint] | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 99,- | |
| DucoFlex: Insulated ducting | | | | | | | | | |
| 00004569 | DucoFlex insulated circular duct with integrated coupler D160 L1000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 207,- | |
| 00004570 | DucoFlex insulated circular duct with integrated coupler D180 L1000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 248,- | |
| 00004571 | DucoFlex insulated 90° bend with integrated coupler D160 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 133,- | |
| 00004572 | DucoFlex insulated 90° bend with integrated coupler D180 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 174,- | |
| 00004573 | DucoFlex insulated 45° bend with integrated coupler D160 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 127,- | |
| 00004574 | DucoFlex insulated 45° bend with integrated coupler D180 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 168,- | |
| 00004575 | DucoFlex insulated coupler D160 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 35,- | |
| 00004576 | DucoFlex insulated coupler D180 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 52,- | |
| Various | | | | | | | | | |
| 00004555 | DucoFlex clamp coupling D63 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | on request | |
| 00004829 | DucoFlex clamp coupling D75/D90 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | on request | |

Why Maintenance?



Peace of mind

Daikin Service and our Service Partner Network Members strive to develop smart services & solutions to exceed your expectations. Ensuring that your heating units are maintained by professionals gives you peace of mind!

Improved Safety

When a heating unit doesn't operate in optimal condition over longer periods of time, it could cause unsafe working conditions or accidents. Regular maintenance ensures the unit operates safely and complies with local regulations and requirements.

Full Legal Compliance

Knowing that your heating unit is maintained and serviced gives you the assurance all relevant legal requirements (e.g. F-gas regulation) are fulfilled.
REGULATION (EU) No 517/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on fluorinated greenhouse gases and repealing Regulation (EC) No 842/2006

Cost Savings

In the long run, maintenance is always cheaper than ad-hoc service interventions. Preventive maintenance allows you and Daikin to plan ahead and avoid rushed interventions. Our specialists will come prepared, thus avoiding repeated visits and extra interruptions.

Another benefit is the clear and transparent costs which can easily be budgeted, as well as clear and well-founded lifecycle reports which indicate future needs and requirements to be considered well in advance. Over time this reduces the Total Cost of Ownership (TCO) and related operational costs.

Minimized System Downtime

Scheduled care visits are transparent and easy to plan which gives sufficient time to find suitable dates for visits to avoid impact on production or comfort. A well-maintained heating unit is less likely to fail during high season. Keeping a unit up-to-date on all inspections and maintenance checks means less worry that the unit will break down when it is needed the most.

Increased System Efficiency

Regular maintenance of a heating unit ensures that electricity costs and performance are not jeopardized, and that the safety features and the integrity of the heating unit in line with the latest standards and regulations.



Routine maintenance such as inspections, oil and fluid changes, part replacements and other little fixes can help your heating unit runs much more efficiently. In turn, you will benefit from fuel and energy savings because the heating unit will be running at peak performance.

solutions from Daikin or Daikin Certified Partners allow you to enjoy the benefits of reduced operating costs, no need to refurbish or reinstall and will include an attractive warranty policy if performed under a care agreement.

Genuine Spare Parts, Tools and Equipment

The spare parts used by Daikin Service or our Service Partner Network are all certified by Daikin, which means that the risk of failure and disturbances can be reduced while ensuring that the warranty is valid.

In case opening, overhaul or repair is needed, Daikin as an OEM manufacturer has all the original tools, casts and equipment to ensure the repair is carried out according to factory recommendations and will keep your equipment up and running.

Daikin uses advanced service tools when we care for our heating units. These tools are not found on the open market and they facilitate advanced troubleshooting and reporting to be done to ensure that the heating unit is optimized and parametrised correctly as well as verifying the integrity of the heating unit.

Attractive Modernisation Solutions

Daikin also offers attractive modernisation solutions (retrofit or full replacement) for a range of older heating units. In the case of retrofit, core parts of the heating unit will be replaced to ensure it can run for many more years. Using Daikin certified retrofit





Saving energy doesn't stop with the purchase or installation of energy-efficient equipment; it has to be kept running under optimum conditions.

Good maintenance and servicing are key elements in ensuring the maximum performance.

Are you sure the filters are clean and none of the components are defective?
Are all of your settings correct?

Any of these things may lead to a reduced level of comfort. And while you may not notice the difference right away, you will certainly notice it at the end of the year – when you pay your energy bill.

Our Daikin design team is constantly striving to improve the energy efficiency of our systems.

We at Daikin Service are here to support you in keeping your units up and running efficiently by means of optimised commissioning and start-up, regular and preventative maintenance, remote monitoring, improving the performance of units, and providing cost effective upgrades to benefit from the efficiency gains from our latest state of the art technology.

Optimisation and upgrades



European Remote Monitoring Center



Upgrading / optimisation

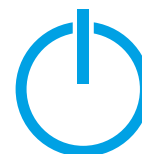
Keep the installation in top condition



Care Packages

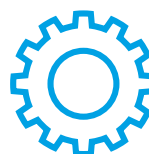


Installation support



Commissioning

Parts and repairs



Spare parts



Repair service

Commissioning

To guarantee your Daikin unit efficiency and long term performance, Daikin offers the **professional start-up of your Daikin system** by highly qualified, OEM educated engineers as part of the commissioning services.

Commissioning through an authorized Partner or by Daikin itself assures you that your unit is working as it should and is delivering all the benefits of a unique climate.

Every commissioning is documented as per Daikin standard and a detailed commissioning report is provided, detailing all activities done and recording the functioning of the units.



The prices listed are based on completion of the Pre-Commissioning checklist which covers a range of core activities including the general conditions at the site, provision of power and the required electrical distribution as well as installation related topics. This ensures that the service can be provided efficiently, on time and giving the best results. For the latest edition of the Pre-Commissioning checklist please visit: www.daikin-ce.com

| Description | Material Number | Price Lei |
|---|--|-------------------------|
| Commissioning ground source heat pump | CE.S_COM_GROUND | 1.402,- |
| Commissioning Hybrid heat pump | CE.S_COM_HYBRID | 1.756,- |
| Commissioning Solar | CE.S_COM_SOLAR | 875,- |
| Commissioning Monosplit | CE.S_COM_SPMON | 875,- |
| Commissioning Multisplit up to 3 I/U | CE.S_COM_SPMUL3 | 990,- |
| Commissioning Multisplit up to 5 I/U | CE.S_COM_SPMUL5 | 1.405,- |
| Commissioning LT Split heat pump | CE.S_COM_HPSPLIT | 1.756,- |
| Commissioning HT heat pump | CE.S_COM_HPHT | 1.756,- |
| Commissioning LT monobloc heat pump | CE.S_COM_HPMON | 1.405,- |
| Commissioning accessories | CE.S_COM_ACC | 639,- |
| Commissioning boiler | CE.S_COM_BOIL | 1.000,- |
| Additional Services & Materials | | |
| On Request | | on request |
| Labour rates | | |
| Labour hour heating service engineer | CE.S_LA_HOUR_HE | 490,- |
| Labour hour service engineer +50% | CE.S_LA_HOUR50 | 735,- |
| Labour hour service engineer +100% | CE.S_LA_HOUR100 | 981,- |
| Labour hour service foreman | CE.S_LA_FOR | 858,- |
| Labour hour project design | CE.S_LA_PRO | 490,- |
| Normal working hours without surcharge | MON – THU: 08:00-17:00, FRI: 08:00-12:00 | |
| 50% surcharge | MON – FRI: 07:00-08:00 and 17:00-20:00,SAT: 07:00-20:00 | |
| 100% surcharge | Before 07:00 and after 20:00 and on Sundays and holidays | |
| Travel Costs (not including parking, highway tolls etc) | | |
| Cost allowance per km | CE.S_TR_KM_AL | on request |
| Flat travel fee per case | CE.S_TR_CASE | on request |
| Special travel cost (plane, ferry...) | CE.S_TR_SPEC | on request |
| Hourly rate for car travel | CE.S_TR_HOUR | 352,- |
| Cancellation | | |
| Failed travel (customer fault) | CE.S_COM_FAILTRAV | 50% of planned activity |
| Training | | |
| Full day Training per person per day (minimum 5 participants) | CE.S_LA_TRA | 3.920,- |

NOTE:

The listed prices are subject to change and might change without prior notification.

Note that the prices are to be understood as NET prices without VAT and travel.

The listed prices are based on order confirmation minimum 10 days before commencement of work.

Maintenance Heating

Maintenance is the key element to ensure the quality, efficiency and flawless operation of any asset.

Our Care agreements are based on years of experience to ensure you reap the full benefits of having Daikin Certified engineers maintain your equipment.

- › Be prepared for the cold season
- › Lower energy bill & CO₂ emissions
- › Ensure silent operation

The care packages are available for:

- › Residential / Commercial owners of Daikin Heating appliances
- › Home owners with Daikin Heating
- › Tenants using Daikin Heating

Daikin Cares contains 3 different levels of maintenance agreements catering to your every need. In addition to these 3 Care packages Daikin offers a comprehensive set of options you can choose from.

| | |
|-----------------|--|
| Care | F-Gas Care is the minimal requirement to fulfil current legislation requirements, and makes sure your unit is not impacting global warming. |
| Preventive Care | Preventive Care ensures that your Heat Pump is running energy efficiently with that latest software adapted to your needs. |
| Exclusive Care | Exclusive Care ensures that your Heat Pump is running energy efficiently, adapted to your needs. To avoid surprises, support is available within 24 hours. |

Services

| | Inspection | Maintenance | |
|---|------------|-----------------|----------------|
| | Care | Preventive Care | Exclusive Care |
| Leak check Inspection based on predefined activities | ✓ | ✓ | ✓ |
| Validated Log book according to F-Gas | ✓ | ✓ | ✓ |
| Labor- & travel cost | ✓ | ✓ | ✓ |
| Soft- and firmware upgrades as required | - | ✓ | ✓ |
| Inspection of the heat exchangers | - | ✓ | ✓ |
| On-site system diagnostic and/or analysis during service intervention | - | ✓ | ✓ |
| Cleaning of filters, water and air side (as applicable) | - | ✓ | ✓ |
| Comprehensive, predictive status & measurement report | - | ✓ | ✓ |
| Recorded, retrievable service history of each unit | - | ✓ | ✓ |
| Access to technical assistance and repair service | - | ✓ | ✓ |
| Planned maintenances are included | - | ✓ | ✓ |
| Emergency support & callout | - | ✓ | ✓ |
| Change of filters | - | - | ✓ |
| Spare parts for planned maintenances are included | - | - | ✓ |
| Filters, spare parts and refrigerant are included | - | - | ✓ |
| Extension of warranty | - | - | ✓ |
| Intervention time within 24 hours | - | - | ✓ |
| Only for Combustion Units: | | | |
| Emission test | - | ✓ | ✓ |
| Safety check | ✓ | ✓ | ✓ |
| Boiler cleaning | - | ✓ | ✓ |

| Description | Inspection | | Maintenance | | | |
|-------------------------------------|-------------------|-------|--------------------|---------|--------------------|---------|
| | Care | | Preventive Care | | Exclusive Care | |
| Maintenance Boiler | CE.S_HE_C_BOIL | 641,- | CE.S_HE_PC_BOIL | 1.225,- | CE.S_HE_EC_BOIL | 1.749,- |
| Maintenance Ground source heat pump | CE.S_HE_C_GROUND | 321,- | CE.S_HE_PC_GROUND | 676,- | CE.S_HE_EC_GROUND | 1.399,- |
| Maintenance HT heat pump | CE.S_HE_C_HPHT | 321,- | CE.S_HE_PC_HPHT | 676,- | CE.S_HE_EC_HPHT | 1.399,- |
| Maintenance LT monobloc heat pump | CE.S_HE_C_HPMON | 321,- | CE.S_HE_PC_HPMON | 676,- | CE.S_HE_EC_HPMON | 1.399,- |
| Maintenance LT Split heat pump | CE.S_HE_C_HPSPLIT | 321,- | CE.S_HE_PC_HPSPLIT | 676,- | CE.S_HE_EC_HPSPLIT | 1.399,- |
| Maintenance Hybrid heat pump | CE.S_HE_C_HYBRID | 321,- | CE.S_HE_PC_HYBRID | 676,- | CE.S_HE_EC_HYBRID | 1.399,- |
| Maintenance Solar | CE.S_HE_C_SOLAR | 350,- | CE.S_HE_PC_SOLAR | 641,- | CE.S_HE_EC_SOLAR | 979,- |

Options

| Description | Per Hour | | | |
|--|----------------------|-------------------|--------------------------|------------------|
| Energy audit & report | on request | | | |
| Refrigerant analysis | on request | | | |
| Emergency support | Monday-Friday 17-22h | | Weekend, Holiday, Nights | |
| | on request | | on request | |
| | Call out Time 24h | Call out Time 16h | Call out Time 8h | Call out Time 4h |
| Call out Time (48h included in PR. and EX. CARE) | on request | on request | on request | on request |

NOTE: The listed prices are subject to change and might change without prior notification. Note that the prices are to be understood as NET prices without VAT and travel.
The listed prices are based on order confirmation minimum 10 days before commencement of work.

Service & Solutions

E-Parts

Find the correct spare part for your Daikin unit, check availability (real-time) and order online.

All in just a few simple steps.

Your advantages:

- › Always available
- › Fast handling
- › „real time“ availability
- › Free shipment
- › Flexible delivery address
- › Prompt feedback

To register to use the E-Parts service

Please contact your Daikin local representative

Always accessible for you

You can find the links to E-Parts and to the spareparts bank on our Business Portal:

<http://eparts.daikin-ce.com>



Service Academy

The Daikin Service Academy offers individual learning paths covering all service cases for Daikin products.

Our goal is to help you delivering better Service on site and therefore grow your business.



Goals & Objectives

With the Daikin Service Academy we want to offer a uniform European learning program for service technicians (internal & external) to become the best of the best.

- › Ensure that our partners have skilled labour available
- › Enable and deliver high quality Service to our end users
- › Enhance performance and efficiency, using less time for service interventions
- › Improve quality and hence customer satisfaction on site
- › Foster career paths to keep service technicians in the HVAC-R industry
- › Offer trainings in local language wherever possible

Our training packages cover following areas:

- › Installation & Pre-Commissioning
- › Commissioning
- › Maintenance
- › Troubleshooting & Repair
- › Application & Design

Want to know more?

Please contact us for more information about the Daikin Academy Central Europe:
academy@daikin-ce.com

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Daikin Altherma 3 R MT

Coming soon - July 2023



Daikin Altherma 3 R MT refrigerant split series (Size 08-10-12 kW)

Aimed especially at the medium temperature renovation market, the R-32 ERRA-E series will offer top level performance including :

- › LWT 65°C
- › Ultra low sound
- › Stylish outlook
- › Operation down to -25°C outside temperature
- › High heating capacity at low ambient temperatures
- › Up to A+++ performance (avg climate / 35°C)
- › Environmental friendly R-32 refrigerant
- › Cloud ready
- › Refrigerant connection

Additionally, the Daikin Altherma 3 R MT ERRA-E series offers :

- › Smart grid connectors on the hydro pcb switchbox
- › New generation inline back-up heaters for the ECH₂O models
- › Generic bizone kit for 2 temperature zone applications

BLUEVOLUTION



size 08, 10, 12 kW

DAIKIN AIRCONDITIONING CENTRAL EUROPE – ROMANIA SRL

Calea Floreasca 169A, Corp B, etaj 8, RO – 014459 București, e-mail: office@daikin.ro, www.daikin.ro

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