# DAIKIN

## All-in-one solution for residential heating

Keep the technical equipment outside. Only cosiness stays inside.
**The new Daikin Altherma Monobloc**

## Our promise...

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

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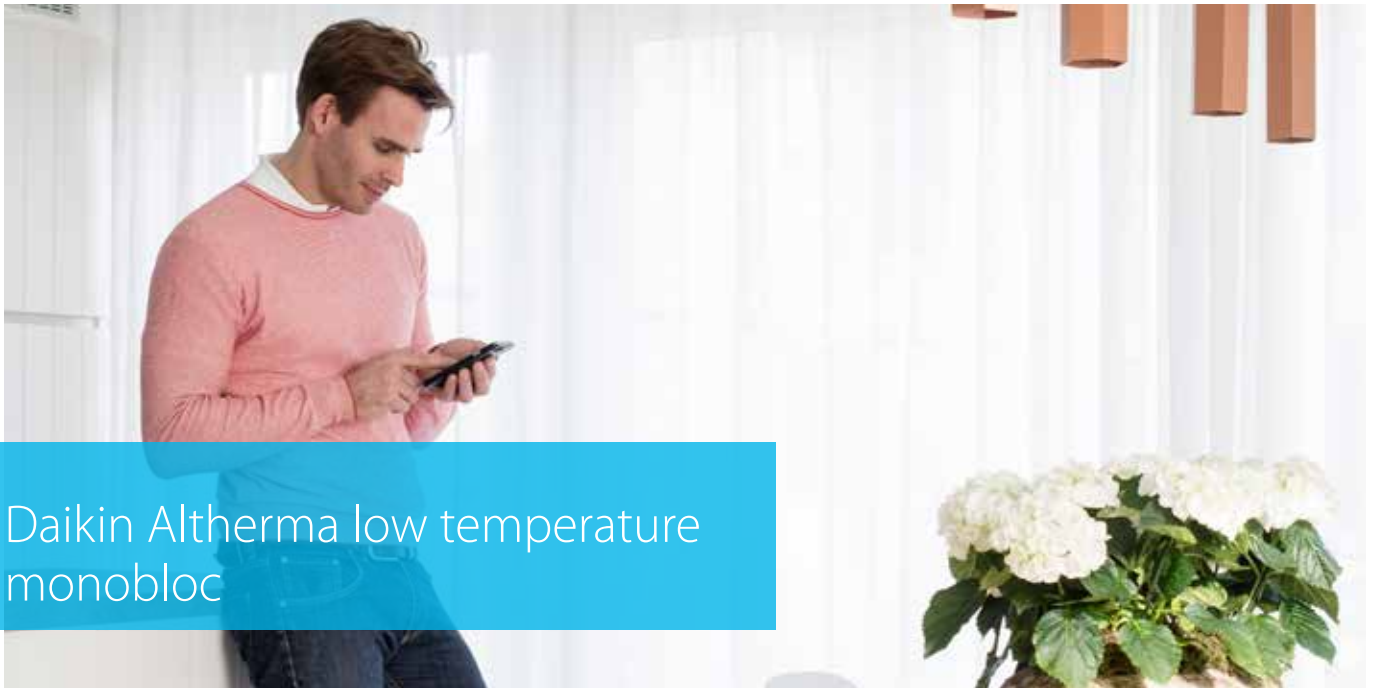can trust and rely on the comfort we deliver.

Our promise to the planet is absolute. Our products are at the
forefront of low energy-usage and we will innovate to further reduce
the environmental impact of our heating solutions.

From residential to collective heating solutions, from renovation to
new build, we commit ourselves to answer all our customers' needs.

Our heat pump DNA combined with our in-house combustion
developments positions Daikin as a leader, for now and the decades
to come.

# Contents

# Daikin Altherma low temperature monobloc

The reversible air-to-water heat pump monobloc system is the ideal system for users that have limited installation space inside. Delivering cutting-edge performance within the market's most compact monobloc outdoor unit, Daikin Altherma low temperature monobloc offers heating and cooling, with an optional connection to provide domestic hot water

## A simple solution

The monobloc system combines all the features of heating and cooling (with optional domestic hot water) into one unit

› Quiet and space-saving design that's easy to commission and install
› All hydraulic components are combined into one outdoor unit
› Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
› Combine with an **ECH₂O** thermal store to provide thermal support
› Combine with a stainless steel tank for domestic hot water

Stainless steel tank

## High performance

› Improved seasonal efficiency ErP label up to A++
› High capacity at low ambient temperatures
› Connection to new stainless steel DHW tank (EKHWS(U)-D) with improved energy efficiency label B

## Easy installation

› Sealed refrigerant means there is no need for refrigerant handling or F-gas qualifications
› Key hydraulic parts reduce the risk of installation errors and need for external parts such as expansion vessel, pump or isolation valves
› Fewer components lower the installation time and help maximise profits on the job

## Year-round reliability

› Delivers higher heating capacity at low ambient temperatures
› Flow temperatures up to 55°C, perfect for new build applications using UFH
› Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
› Equipped with optional backup heater

## Easy connection

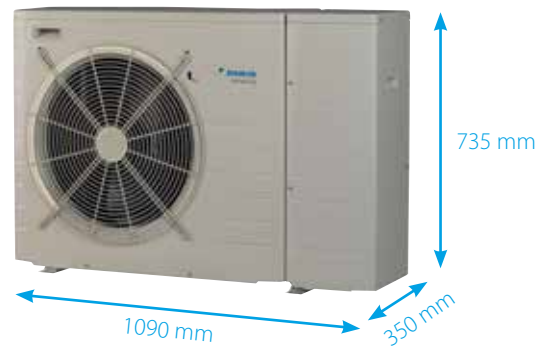› The LAN adapter allows to control the unit via the heating app
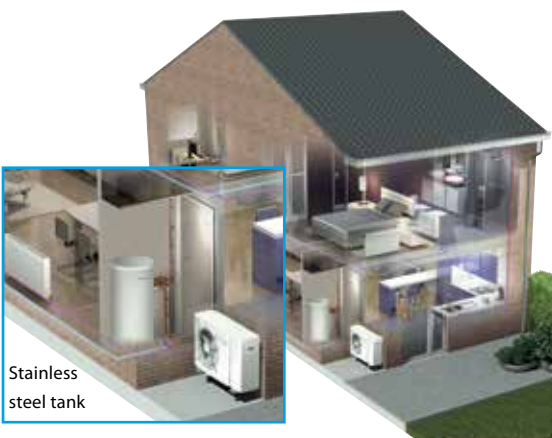
# The 5-7 kW range of
# Daikin Altherma monobloc

A++  55°C

› Back-up heater less models
› Separate indoor wiring centre (control box)
› Separate back-up heater kit



735 mm

1090 mm     350 mm



# The 11-16 kW range of
# Daikin Altherma monobloc

A++  55°C

› Smaller casing
› Back-up heater less models and models with 3V
  integrated back-up heater for maximum installation
  flexibility
› 1 ph and 3 ph models
› Reversible and heating only models
› LAN Adapter connection
› A++ heating energy label (from G to A++)

0,5 m³*

1345 mm

1157 mm     320 mm

*-36% compared to current
monobloc

# Daikin Altherma low temperature monobloc

## Reversible air to water monobloc system, ideal when indoor space is limited

› Compact reversible monobloc for space heating & cooling with optional domestic hot water
› Compact heating only monobloc for space heating with optional domestic hot water
› Fuss-free installation : only water connections required
› Reliable operation even when -25°C outside thanks to frost protection features such as free hanging coil
› COP up to 5

011-1W0079
011-1W0080

A++    55°C    R-410A

E(D/B)LQ-CV3

| Single Unit | | | EBLQ/EDLQ | 05CV3 | 07CV3 | 05CV3 | 07CV3 |
|---|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | ηs (Seasonal space heating efficiency) % | 125 | | | |
| | | | SCOP | 3.20 | 3.22 | 3.20 | 3.22 |
| | | | Seasonal space heating eff. class | A++ | | | |
| | Average climate water outlet 35°C | General | ηs (Seasonal space heating efficiency) % | 172 | 163 | 172 | 163 |
| | | | SCOP | 4.39 | 4.14 | 4.39 | 4.14 |
| | | | Seasonal space heating eff. class | A++ | | | |
| Heating capacity | Nom. | | kW | 4.40(1) / 4.03(2) | 7.00(1) / 6.90(2) | 4.40(1) / 4.03(2) | 7.00(1) / 6.90(2) |
| Cooling capacity | Nom. | | kW | 3.88(1) / 3.99(2) | 5.20(1) / 5.15(2) | - | |
| Power input | Cooling | Nom. | kW | 0.950(1) / 1.93(2) | 1.37(1) / 2.69(2) | - | |
| | Heating | Nom. | kW | 0.880(1) / 1.13(2) | 1.55(1) / 2.45(2) | 0.880(1) / 1.13(2) | 1.55(1) / 2.02(2) |
| COP | | | | 5.00(1) / 3.58(2) | 4.52(1) / 3.42(2) | 5.00(1) / 3.58(2) | 4.52(1) / 3.42(2) |
| EER | | | | 4.07(1) / 2.07(2) | 3.80(1) / 2.10(2) | - | |
| Dimensions | Unit | HeightxWidthxDepth | mm | 735x1,090x350 | | | |
| Weight | Unit | | kg | 76.0 | 80.0 | 76.0 | 80.0 |
| Operation range | Heating | Water side Min.~Max. | °C | 15 ~55.0 | | | |
| | Cooling | Ambient Min.~Max. | °CDB | 10.0~43.0 | | -~- | |
| | | Water side Min.~Max. | °C | 5.00 ~22.0 | | -~- | |
| | Domestic | Ambient Min.~Max. | °CDB | -25.0 ~35.0 | | | |
| | hot water | Water side Min.~Max. | °C | 25~80 | | 25~80 | |
| Refrigerant | Type | | | R-410A | | | |
| | GWP | | | 2,088 | | | |
| | Charge | | kg | 1.30 | 1.45 | 1.30 | 1.45 |
| | Charge | | TCO2Eq | 2.714 | 3.027 | 2.714 | 3.027 |
| | Control | | | Expansion valve (electronic type) | | | |
| Sound power level | Heating | Nom. | dBA | 61 | 62 | 61 | 62 |
| | Cooling | Nom. | dBA | 63.0 | | - | |
| Sound pressure level | Heating | Nom. | dBA | 48 | 49 | 48 | 49 |
| | Cooling | Nom. | dBA | 48 | 50 | - | |

| Wiring centre | | | | EKCB07CV3 | EK2CB07CV3 |
|---|---|---|---|---|---|
| Casing | Colour | | | White | |
| | Material | | | Precoated sheet metal | |
| Dimensions | Unit | HeightxWidthxDepth | mm | 360x340x97.0 | |
| Weight | Unit | | kg | 4.00 | |

| Back-up heater kit | | | | EKMBUHC3V3 | EKMBUHC9W1 |
|---|---|---|---|---|---|
| Casing | Colour | | | White | |
| | Material | | | Precoated sheet metal | |
| Dimensions | Unit | HeightxWidthxDepth | mm | 560x250x210 | |
| Weight | Unit | | kg | 11.0 | 13.0 |

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C ( DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C ( DT = 5°C )
(3) Contains fluorinated greenhouse gases

# Daikin Altherma low temperature monobloc without back-up heater

**DAIKIN**
altherma

Reversible air to water monobloc system, ideal when indoor space is limited

› Monobloc all-in-one concept including hydraulic parts
› Separate indoor wiring center (control box)
› LAN Adapter connection
› Possible to combine with domestic hot water
› Energy efficient heating only system based on air-to-water heat pump technology
› A++ heating energy label (from G to A++)

E(D-B)LQ011-016CV3

011-1W0259 → 261

A++  55°C  R-410A

| Single Unit | | | | EBLQ/EDLQ | 011CV3 | 014CV3 | 016CV3 | 011CW1 | 014CW1 | 016CW1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | ηs (Seasonal space heating efficiency) | | 120 | 123 | 119 | 120 | 123 | 119 |
| | | | SCOP | | 3.09 | 3.16 | 3.06 | 3.09 | 3.16 | 3.06 |
| | | | Seasonal space heating eff. class | | A+ | | | | | |
| | Average climate water outlet 35°C | General | ηs (Seasonal space heating efficiency) | | 156 | 153 | 149 | 156 | 153 | 149 |
| | | | SCOP | | 3.98 | 3.90 | 3.80 | 3.98 | 3.90 | 3.80 |
| | | | Seasonal space heating eff. class | | A++ | | A+ | A++ | | A+ |
| Heating capacity | Nom. | | | kW | 11.2 (1) / 11.0 (2) | 14.5 (1) / 13.6 (2) | 16.0 (1) / 15.2 (2) | 11.2 (1) / 11.0 (2) | 14.5 (1) / 13.6 (2) | 16.0 (1) / 15.2 (2) |
| Cooling capacity (only applicable to EBLQ) | Nom. | | | kW | 12.4 (1) / 11.6 (2) | 12.8 (1) / 12.6 (2) | 13.9 (1) / 13.6 (2) | 12.4 (1) / 11.6 (2) | 12.8 (1) / 12.6 (2) | 13.9 (1) / 13.6 (2) |
| Power input | Cooling | Nom. | | kW | 3.18 (1) / 5.09 (2) | 3.16 (1) / 5.14 (2) | 3.56 (1) / 5.96 (2) | 3.18 (1) / 5.09 (2) | 3.16 (1) / 5.14 (2) | 3.56 (1) / 5.96 (2) |
| | Heating | Nom. | | kW | 2.43 (1) / 3.10 (2) | 3.37 (1) / 4.10 (2) | 3.76 (1) / 4.66 (2) | 2.43 (1) / 3.10 (2) | 3.37 (1) / 4.10 (2) | 3.76 (1) / 4.66 (2) |
| COP | | | | | 4.61 (1) / 3.55 (2) | 4.30 (1) / 3.32 (2) | 4.26 (1) / 3.26 (2) | 4.61 (1) / 3.55 (2) | 4.30 (1) / 3.32 (2) | 4.26 (1) / 3.26 (2) |
| EER (only applicable to EBLQ) | | | | | 3.90 (1) / 2.28 (2) | 4.05 (1) / 2.45 (2) | 3.90 (1) / 2.28 (2) | 3.90 (1) / 2.28 (2) | 4.05 (1) / 2.45 (2) | 3.90 (1) / 2.28 (2) |
| SEER (only applicable to EBLQ) | | | | | 3.85 | 3.89 | 3.90 | 3.85 | 3.89 | 3.90 |
| Dimensions | Unit | HeightxWidthxDepth | | mm | 1,348x1,160x380 | | | | | |
| Weight | Unit | | | kg | 151 | | | 154 | | |
| Operation range (3) | Heating | Ambient Min.~Max. | | °CWB | -25~35 | | | | | |
| | | Water side Min.~Max. | | °C | 25~55 | | | | | |
| Operation range (3) Cooling (only applicable to EBLQ) | | Ambient Min.~Max. | | °CDB | 10~46 | | | | | |
| | | Water side Min.~Max. | | °C | 5~22 | | | | | |
| Operation range (3) Domestic hot water | | Ambient Min.~Max. | | °CDB | -25~35 | | | | | |
| | | Water side Min.~Max. | | °C | 25~80 | | | | | |
| Refrigerant | Type | | | | R-410A | | | | | |
| | GWP | | | | 2087.5 | | | | | |
| | Charge | | | kg | 3.40 | | | | | |
| | Charge | | | TCO2Eq | 7.10 | | | | | |
| | Control | | | | Expansion valve (electronic type) | | | | | |
| Sound power level | Heating | Nom. | | dBA | 64 | | 66 | 64 | | 66 |
| | Cooling | Nom. | | dBA | 64 | 66 | 69 | 64 | 66 | 69 |
| Sound pressure level | Heating | Nom. | | dBA | 51 | | 52 | 51 | | 52 |
| | Cooling | Nom. | | dBA | 50 | 52 | 54 | 50 | 52 | 54 |

| Wiring centre | | | | | EKCB07CV3 | EK2CB07CV3 |
|---|---|---|---|---|---|---|
| Casing | Colour | | | | White | |
| | Material | | | | Precoated sheet metal | |
| Dimensions | Unit | HeightxWidthxDepth | | mm | 360x340x97.0 | |
| Weight | Unit | | | kg | 4.00 | |

| Back-up heater kit | | | | | EKMBUHC3V3 | EKMBUHC9W1 |
|---|---|---|---|---|---|---|
| Casing | Colour | | | | White | |
| | Material | | | | Precoated sheet metal | |
| Dimensions | Unit | HeightxWidthxDepth | | mm | 560x250x210 | |
| Weight | Unit | | | kg | 11.0 | 13.0 |

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C ( DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C ( DT = 5°C ) | (3) Including back-up heater and/or booster heater, see details in databook.

# Daikin Altherma
# low temperature monobloc
# with integrated back-up heater

Reversible air to water monobloc system, ideal when indoor space is limited

› Monobloc all-in-one concept including hydraulic parts
› Separate indoor wiring center (control box)
› LAN Adapter connection
› Possible to combine with domestic hot water
› Energy efficient heating only system based on air-to-water heat pump technology
› A++ heating energy label (from G to A++)

E(D-B)LQ011-016CV3

A++  55°C  R-410A

011-1W0259 → 261
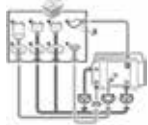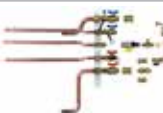
| Single Unit | | | EBLQ/EDLQ | 011C3V3 | 014C3V3 | 016C3V3 | 011C3W1 | 014C3W1 | 016C3W1 |
|---|---|---|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | ηs (Seasonal space heating efficiency) | 120 | 123 | 119 | 120 | 123 | 119 |
| | | | SCOP | 3.09 | 3.16 | 3.06 | 3.09 | 3.16 | 3.06 |
| | | | Seasonal space heating eff. class | A+ | | | | | |
| | Average climate water outlet 35°C | General | ηs (Seasonal space heating efficiency) | 156 | 153 | 149 | 156 | 153 | 149 |
| | | | SCOP | 3.98 | 3.90 | 3.80 | 3.98 | 3.90 | 3.80 |
| | | | Seasonal space heating eff. class | A++ | | A+ | A++ | | A+ |
| Heating capacity | Nom. | | kW | 11.2 (1) / 11.0 (2) | 14.5 (1) / 13.6 (2) | 16.0 (1) / 15.2 (2) | 11.2 (1) / 11.0 (2) | 14.5 (1) / 13.6 (2) | 16.0 (1) / 15.2 (2) |
| Cooling capacity (only applicable to EBLQ) | Nom. | | kW | 12.4 (1) / 11.6 (2) | 12.8 (1) / 12.6 (2) | 13.9 (1) / 13.6 (2) | 12.4 (1) / 11.6 (2) | 12.8 (1) / 12.6 (2) | 13.9 (1) / 13.6 (2) |
| Power input | Cooling | Nom. | kW | 3.18 (1) / 5.09 (2) | 3.16 (1) / 5.14 (2) | 3.56 (1) / 5.96 (2) | 3.18 (1) / 5.09 (2) | 3.16 (1) / 5.14 (2) | 3.56 (1) / 5.96 (2) |
| | Heating | Nom. | kW | 2.43 (1) / 3.10 (2) | 3.37 (1) / 4.10 (2) | 3.76 (1) / 4.66 (2) | 2.43 (1) / 3.10 (2) | 3.37 (1) / 4.10 (2) | 3.76 (1) / 4.66 (2) |
| COP | | | | 4.61 (1) / 3.55 (2) | 4.30 (1) / 3.32 (2) | 4.26 (1) / 3.26 (2) | 4.61 (1) / 3.55 (2) | 4.30 (1) / 3.32 (2) | 4.26 (1) / 3.26 (2) |
| EER (only applicable to EBLQ) | | | | 3.90 (1) / 2.28 (2) | 4.05 (1) / 2.45 (2) | 3.90 (1) / 2.28 (2) | 3.90 (1) / 2.28 (2) | 4.05 (1) / 2.45 (2) | 3.90 (1) / 2.28 (2) |
| SEER (only applicable to EBLQ) | | | | 3.85 | 3.89 | 3.90 | 3.85 | 3.89 | 3.90 |
| Dimensions | Unit | HeightxWidthxDepth | mm | 1,348x1,160x380 | | | | | |
| Weight | Unit | | kg | 157 | | | 160 | | |
| Operation range (3) Heating | Ambient Min.~Max. | | °CWB | -25~35 | | | | | |
| | Water side Min.~Max. | | °C | 25~55 | | | | | |
| Operation range (3) Cooling (only applicable to EBLQ) | Ambient Min.~Max. | | °CDB | 10~46 | | | | | |
| | Water side Min.~Max. | | °C | 5~22 | | | | | |
| Operation range (3) Domestic hot water | Ambient Min.~Max. | | °CDB | -25~35 | | | | | |
| | Water side Min.~Max. | | °C | 25~80 | | | | | |
| Refrigerant | Type | | | R-410A | | | | | |
| | GWP | | | 2087.5 | | | | | |
| | Charge | | kg | 3.40 | | | | | |
| | Charge | | TCO2Eq | 7.10 | | | | | |
| | Control | | | Expansion valve (electronic type) | | | | | |
| Sound power level | Heating | Nom. | dBA | 64 | | 66 | 64 | | 66 |
| | Cooling | Nom. | dBA | 64 | 66 | 69 | 64 | 66 | 69 |
| Sound pressure level | Heating | Nom. | dBA | 51 | | 52 | 51 | | 52 |
| | Cooling | Nom. | dBA | 50 | 52 | 54 | 50 | 52 | 54 |

| Wiring centre | | | | EKCB07C3V3 | EK2CB07C3V3 |
|---|---|---|---|---|---|
| Casing | Colour | | | White | |
| | Material | | | Precoated sheet metal | |
| Dimensions | Unit | HeightxWidthxDepth | mm | 360x340x97.0 | |
| Weight | Unit | | kg | 4.00 | |

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C ( DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C ( DT = 5°C ) |
(3) Including back-up heater and/or booster heater, see details in databook.

| Type | | Material name | Daikin Altherma LT monobloc | | | Illustration |
|---|---|---|---|---|---|---|
| | | | 5-7 kW | 11-16 kW BUH-less | 11-16 kW with 3V BUH | |
| Controls | LAN adapter | BRP069A62 | • | • | • |  |
| | LAN adapter + PV solar connection | BRP069A61 | • | • | • | |
| | Remote user interface (DE, FR, NL, IT) | EKRUCBL1 | • | • | • |  |
| | Remote user interface (EN, ES, EL, PT) | EKRUCBL3 | • | • | • | |
| | Remote user interface (EN, SV, NO, FI) | EKRUCBL2 | • | • | • | |
| | Remote user interface (EN, TR, PL, RO) | EKRUCBL4 | • | • | • | |
| | Remote user interface (DE, CS, SL, SK) | EKRUCBL5 | • | • | • | |
| | Remote user interface (EN, HR, HU, BG) | EKRUCBL6 | • | • | • | |
| | Remote user interface (EN, DE, RU, DA) | EKRUCBL7 | • | • | • | |
| | Simplified user interface | EKRUCBSB | • | | | |
| | Room thermostat (wired) | EKRTWA | • | • | • |  |
| | Room thermostat (wireless) | EKRTR1 | • | • | • | |
| Adapter | Digital I/O PCB | EKRP1HBAA | | • | | |
| Back-up heater | Back-up heater monobloc | EKMBUHC3V3/C9W1 | • | • | |  |
| | Bottom plate heater | EKBPHTH16A | | • | |  |
| Drain | Drain kit | EKDK04 | | • | |  |
| Sensor | Remote sensor for OU | EKRSCA1 | • | • | • |  |
| | External sensor | EKRTETS | • | • | • |  |
| | Remote sensor for IU | KRCS01-1 | • | • | • |  |
| Wiring centre | Control box | EKCB07CAV3 | • | • | • |  |
| | Option box | EK2CB07CAV3 | • | • | • |  |
| By pass | Valve kit | EKMBHBP1 | • | • | • |  |
| Bizone | Bizone kit | BZKA7V3 | • | • | • |  |
| Others | Cable | EKPCCAB3 | • | | |  |

# Thermal stores and tanks
## Hot water heating installation options

## Why choose a 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

› Available in 150, 180, 200, 250 and 300 litres in
  stainless steel EKHWS(U)-D

#### 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 ECH$_2$0
## 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
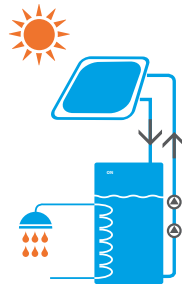
### Efficiency

› 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
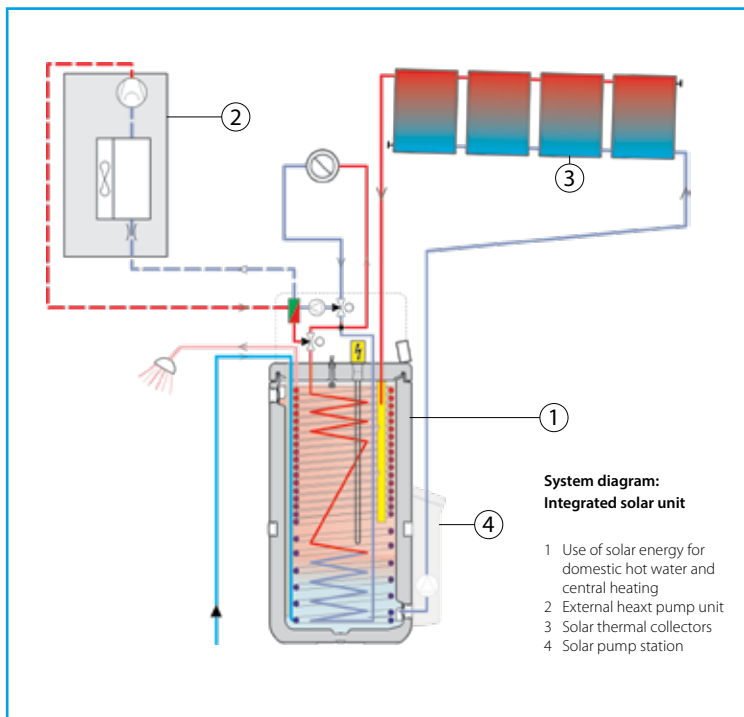› High-quality insulation keeps heat loss to a minimum

### Reliability

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

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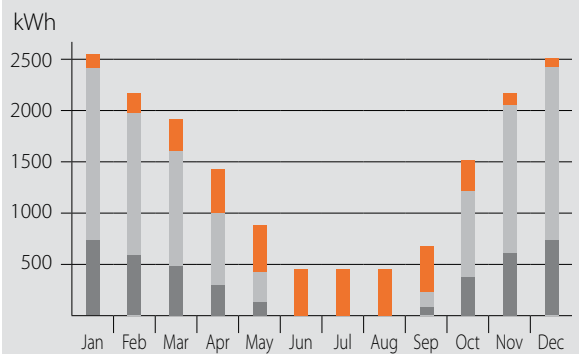› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

Drain-back solar system



**System diagram:
Integrated solar unit**

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

## Monthly energy consumption
## of an average detached house

kWh



■ Utilisation of solar energy for domestic hot water and central heating

■ Heat pump (environmental heat)

■ Auxiliary energy (electricity)

# Thermal store

## Plastic domestic hot water tank with solar support

› Tank designed for connection with pressurised thermal solar system
› Tank designed for connection with drainback thermal solar system
› Available in 300 and 500 liters
› Large hot water storage tank to provide domestic hot water at any time
› Heat loss is reduced to a minimum thanks to the high quality insulation
› Space heating support possible (500l tank only)

EKHWP500B          EKHWP300B

| Accessory | | EKHWP | | 300B | 500B | 300PB | 500PB |
|---|---|---|---|---|---|---|---|
| Casing | Colour | | | | Traffic white (RAL9016) / Dark grey (RAL7011) | | |
| | Material | | | | Impact resistant polypropylene | | |
| Dimensions | Unit | Width | mm | 595 | 790 | 595 | 790 |
| | | Depth | mm | 615 | 790 | 615 | 790 |
| | | Height | mm | 1,650 | 1,660 | 1,650 | 1,660 |
| Weight | Unit | Empty | kg | 58 | 82 | 58 | 89 |
| Tank | Water volume | | l | 294 | 477 | 294 | 477 |
| | Material | | | | Polypropylen | | |
| | Maximum water temperature | | °C | | 85 | | |
| | Insulation Heat loss | | kWh/24h | 1.5 | 1.7 | 1.5 | 1.7 |
| | Energy efficiency class | | | | B | | |
| | Standing heat loss | | W | 64 | 72 | 64 | 72 |
| | Storage volume | | l | 294 | 477 | 294 | 477 |
| Heat exchanger | Domestic hot water | Quantity | | | 1 | | |
| | | Tube material | | | Stainless steel (DIN 1.4404) | | |
| | | Face area | m² | 5.600 | 5.800 | 5.600 | 5.900 |
| | | Internal coil volume | l | 27.1 | 28.1 | 27.1 | 28.1 |
| | | Operating pressure | bar | | 6 | | |
| | | Average specifc thermal output | W/K | 2,790 | 2,825 | 2,790 | 2,825 |
| | Charging | Quantity | | | 1 | | |
| | | Tube material | | | Stainless steel (DIN 1.4404) | | |
| | | Face area | m² | 3 | 4 | 3 | 4 |
| | | Internal coil volume | l | 13 | 18 | 13 | 18 |
| | | Operating pressure | bar | | 3 | | |
| | | Average specifc thermal output | W/K | 1,300 | 1,800 | 1,300 | 1,800 |
| | Pressurised solar | Average specifc thermal output | W/K | | - | 390.00 | 840.00 |
| | Auxiliary solar heating | Tube material | | - | Stainless steel (DIN 1.4404) | - | Stainless steel (DIN 1.4404) |
| | | Face area | m² | - | 1 | - | 1 |
| | | Internal coil volume | l | - | 4 | - | 4 |
| | | Operating pressure | bar | - | 3 | - | 3 |
| | | Average specifc thermal output | W/K | - | 280 | - | 280 |

# Domestic hot water tank

## Stainless steel domestic hot water tank

› Available in 150, 180, 200, 250 and 300l
› Energy efficiency class B
› Low standing losses (1,08 - 1,63 kWh/24h)
› Pre plumbed model (SU) for UK



EKHWS(U)-D

| Accessory | | | EKHWS(U) | 150D3V3 | 180D3V3 | 200D3V3 | 250D3V3 | 300D3V3 |
|---|---|---|---|---|---|---|---|---|
| Casing | Colour | | | Neutral white | | | | |
| | Material | | | Epoxy coated steel / Epoxy-coated mild steel | | | | |
| Dimensions | Unit | Height Tank | mm | 1,000 | 1,164 | 1,264 | 1,535 | 1,745 |
| Weight | Unit | Empty | kg | 45 | 50 | 53 | 58 | 63 |
| Tank | Water volume | | l | 145 | 174 | 192 | 242 | 292 |
| | Material | | | Stainless steel (EN 1.4521) | | | | |
| | Maximum water temperature | | °C | 75 | | | | |
| | Insulation  Heat loss | | kWh/24h | 1.1 | 1.2 | 1.3 | 1.4 | 1.6 |
| | Energy efficiency class | | | B | | | | |
| | Standing heat loss | | W | 45 | 50 | 55 | 60 | 68 |
| | Storage volume | | l | 145 | 174 | 192 | 242 | 292 |
| Heat exchanger | Domestic | Quantity | | 1 | | | | |
| | hot water | Tube material | | Stainless steel (EN 1.4521) | | | | |
| | | Face area | m² | 1.050 | 1.400 | 1.800 | | |
| | | Internal coil volume | l | 4.9 | 6.5 | 8.2 | | |
| | | Operating pressure | bar | 10 | | | | |
| Booster heater | Capacity | | kW | 3 | | | | |
| Power supply | Phase/Frequency/Voltage | | Hz/V | 1~/50/230 | | | | |

# Always in control

## Daikin Online Controller

**The Daikin Online Controller application can control and monitor the status of your heating system and allows you to:**

### Monitor
› The status of your heating system
› Your energy consumption graphs

### Schedule
› Schedule the set temperature and operation mode
  with up to **6 actions per day for 7 days**
› Enable **holiday mode**
› View in intuitive mode

### Control **
› The **operation mode** and set temperature
› Remotely control your system and domestic hot water

*Control via the app
›  Room thermostat control for space heating and domestic hot water
›  Leaving water temperature control for domestic hot water
›  External control for domestic hot water

### Daikin Online Heating Control
The Daikin Online Control Heating app is a multifaceted programme that allows customers to control and monitor the status of their heating system.

### Main features
› Equipped with GDPR (data protection)
› Remote firmware update of LAN Adapter
› Control over multiple unit locations

14

# EKRUCBL*

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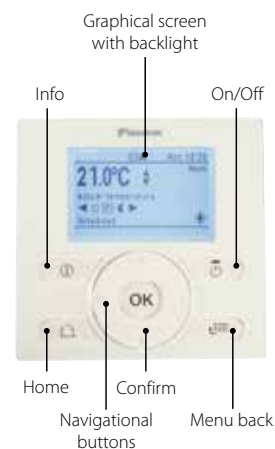› Easy to use with direct accessibility to all main functions

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

* only in combination with EKRTETS

## General features
Several languages possible depending on the model, including: English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Graphical screen with backlight

Info                                    On/Off

21.0°C

OK

Home              Confirm

Navigational          Menu back
buttons

---

# EKRTR1/EKRTWA

## Control
The LCD screen of the room thermostat presents the necessary information regarding the setting of the Daikin Altherma system.

## Comfort
An external sensor (EKRTETS) can be placed between the underfloor heating and the floor, as an alternative to the wireless room thermostat.

## General features
› Set the temperature of the room based on measurements from the built-in or external sensor
› Off function (with integrated frost-protection function)
› Holiday function mode
› Comfort and reduced function modes
› Time (day and month)
› Programmable weekly timer with 2 user defined and 5 preset programmes, with up to 12 actions per day
› Keylock function
› Set limits: the installer can change the upper and lower limits
› Floor temperature protection

15

# Wired remote control for Heating



EKRUCBL

| Indoor unit | EKRUCBL/EKRUCBS | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | EKRUCBS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Control systems | Class of temperature control | | | | | | VI | | | | |
| | Contribution to seasonal space heating efficiency | | % | | | | 4.0 | | | | |

# Wired remote control for Heating



EKRTWA          EKRTR

| | | | | EKRTR | EKRTWA |
|---|---|---|---|---|---|
| Dimensions | Unit | Height/Width/Depth | mm | -/-/- | 87/125/34 |
| | Thermostat | Height/Width/Depth | mm | 87/125/34 | -/-/- |
| | Receiver | Height/Width/Depth | mm | 170/50/28 | -/-/- |
| Weight | Unit | | g | - | 215 |
| | Thermostat | | g | 210 | - |
| | Receiver | | g | 125 | - |
| Ambient temperature | Storage | Min./Max. | °C | -20/60 | |
| | Operation | Min./Max. | °C | 0/50 | |
| Temperature setting range | Heating | Min./Max. | °C | 4/37 | |
| | Cooling | Min./Max. | °C | 4/37 | |
| Clock | | | | Yes | |
| Regulation function | | | | Proportional band | |
| Power supply | Voltage | | V | - | Battery powered 3* AA-LR6 (alkaline) |
| | Thermostat | Voltage | V | Battery powered 3x AA-LRG (alkaline) | - |
| | Receiver | Voltage | V | 230 | - |
| | Frequency | | Hz | 50 | - |
| | Phase | | | 1~ | - |
| Connection | Type | | | - | Wired |
| | Thermostat | | | Wireless | - |
| | Receiver | | | Wired | - |
| Maximum distance to receiver | Indoor | | m | approx. 30m | - |
| | Outdoor | | m | approx. 100m | - |
| Control systems | Class of temperature control | | | IV | |
| | Contribution to seasonal space heating efficiency | | % | 2.0 | |

# Supporting tools

## Heating Solutions Navigator

HSN provides the best fit solution for your customers home:

› User-friendly interface showcases the wide array of Daikin Heating Solutions available
› Estimation of the required heat load from a simple intuitive approach to a deeper detailed room-by-room calculation
› Country specific elements are taken into account
› Create custom made piping & wiring diagrams
› Link to flue gas selection tool for gas based solutions
› Set the configuration of your installation
› Overview of all the options specifically for your installation
› Quick link to the installation specific literature
› Compare economic and ecological benefit of the Daikin solution against a conventional heating installation.
› Storage of all your leads on you Stand By Me account
› Easy conversion from lead to installation to invite your end user for extra after-sales services
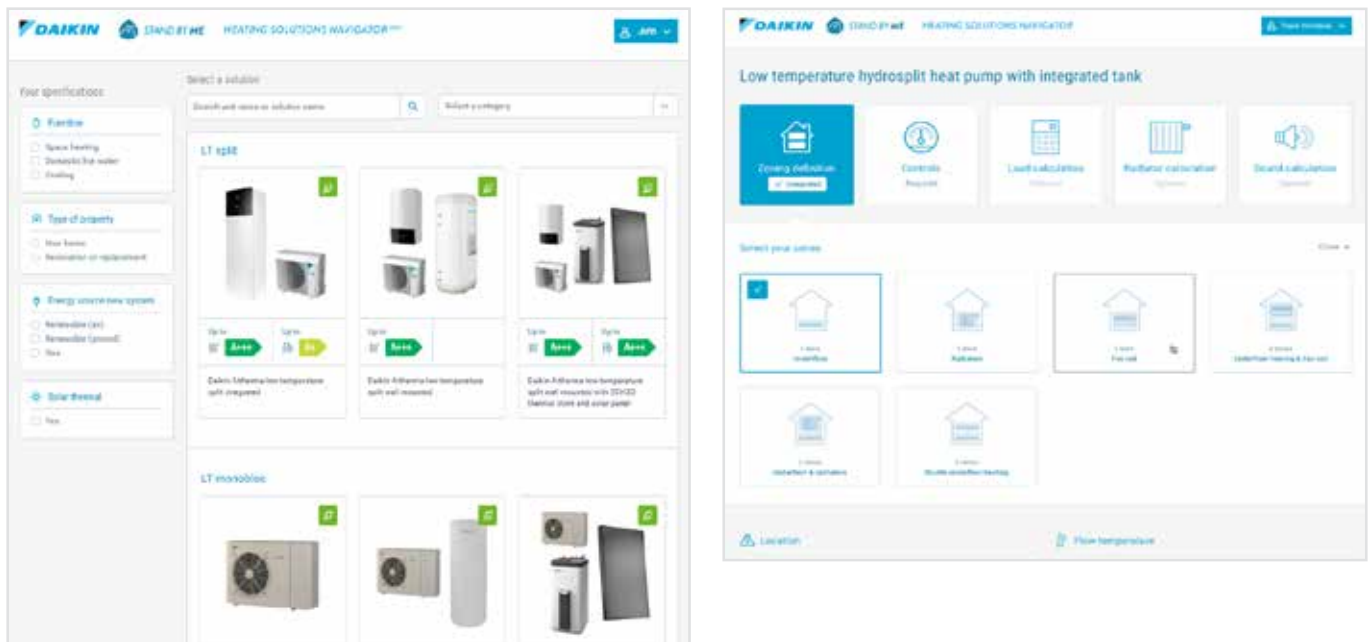


### Want to know more about our Heating Solutions Navigator?

› Have a look at our video on https://www.youtube.com/watch?v=RomRf4W6Ci8!
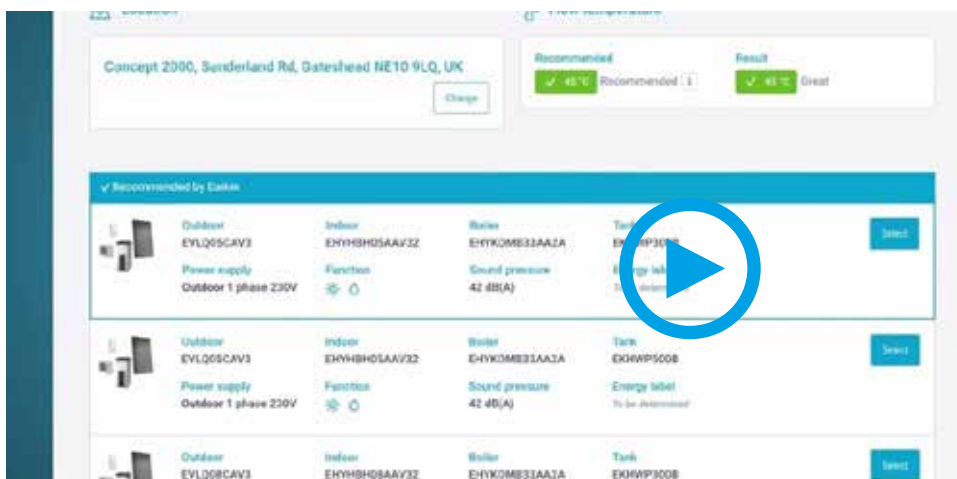
# Stand By Me,
# my climate of security

**STAND BY ME**

With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market.

### After-sales services

**Stand By Me** offers after-sales services such as warranty extensions and maintenance contracts:

- ☑ warranty extension on parts and/or labour

- ☑ starts on commissioning date

### Quick follow-up by Daikin service partners

Daikin service partners are automatically linked with their customer after registration on www.standbyme.daikin.eu.
A notification is sent when a customer purchases a maintenance contract.

Your customer is guaranteed:

- ☑ quick and reliable service

- ☑ complete installation logbook including registration documents, maintenance deadlines, repair reports etc.

### Key account portal

The key account portal is the perfect solution for large accounts:

- ☑ keep track of all your installations

- ☑ project management

- ☑ remote metering (UK only)

› For more details about the Stand By Me services in your country, contact your local Daikin office.

# Business portal

› Learn more about Daikin's units on our extranet portal: **my.daikin.eu**
› Receive information in a matter of seconds using our powerful search tool
› Customise search options to only see information that is relevant for you
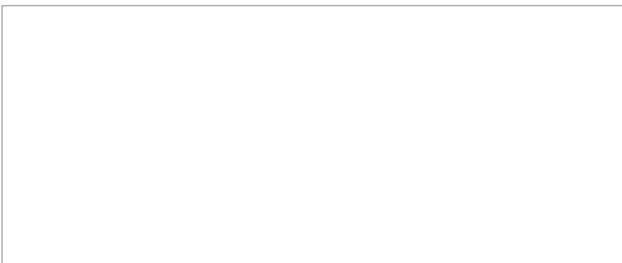› Accessible via a mobile device or computer

# E-care app  NEW

### All-in-one app for the dealer
› Register your installation on Stand By Me via simple **QR code** scanning
› Quick configuration of your heat pump in **only 7 steps**
› Diagnosis of malfunction by QR code scanning and error code input

AT CUSTOMERS

ON THE ROAD

AT THE OFFICE

my.daikin.eu

FSC

ECPEN18-723B          07/18

CERTIFIED
ISO 9001 · ISO 14001

CE

Printed on non-chlorinated paper.