

Παγκόσμιος Ηγέτης στο Ιδανικό Κλίμα.



Κεντρικά γραφεία Βενιζέλου 5 Έκθεση Βενιζέλου 3 & Αριστείδου 40 55133 Καλαμαριά, Θεσσαλονίκη Τ.2310440844



## The ideal boiler replacement gets extended

## Ideal to replace gas boilers

Houses built in the 90s often need a refurbishment to still look up-to-date.

In a renovation project, this is also important to consider changing your initial heating system.

Daikin Altherma 3 R MT come as a perfect replacement in such houses, where a leaving water temperature of 65 °C is sufficient. Easy to install, you can even leave the recent radiators installed!

## Suitable for medium sized new buildings

With a capacity range going from 8 to 12 class, Daikin Altherma 3 R MT also fit in medium sized new buildings.





## **Daikin Altherma 3 R MT** offers multiple possibilities to adapt to your customers needs

A leaving water temperature up to 65 °C makes it a suitable choice for refurbishments Best seasonal efficiencies providing the highest savings on running costs

Perfect fit for new buildings, as well as for low energy houses



#### Refrigerant split version

Daikin Altherma 3 range presents a new addition to the family – refrigerant split version for medium temperature heat pump.

Daikin Altherma 3 R MT relies on a compressor and a refrigerant to transfer the energy from the air to the water. The Refrigerant split unit provides cooling next to heating and domestic hot water.

## Better fit with hydrosplit versions?

The Daikin Altherma 3 solutions for replacment do come also in hydrosplit versions, 3 H MT and 3 H HT. More information can be found here:



# The Quintessence of heat pump meeting modern society's expectations



#### Made in Europe, for Europe

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 R MT.

Heating capacities are also maintained high by low ambient temperature 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 our heat pumps. Its single fan reduces the noise level and its black front grille makes the unit fit into any environment.

All these dedicated components were developed in-house to make the quintessence of heat pump 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 the R-32 refrigerant. Daikin is one of the pioneers 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 CO<sub>2</sub> emissions.

Easy to recover and re-use, R-32 is the perfect solution to attain the new European  ${\rm CO_2}$  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 grille stretches horizontally making the fan inside invisible. The mat grey casing reflects the colour of the wall behind for more discretion. When first launched, this unit received two design awards in 2019. This award winning design has been continued in the new models.



ms Ref



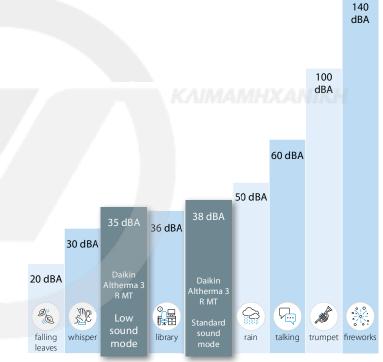


## Silence rhymes with comfort

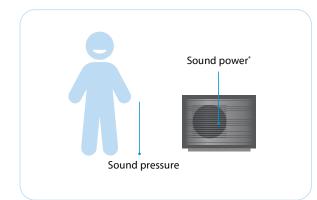
The Quintessence of heat pump has been designed to reduce its acoustic level and meet the expectations of today's society.

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 unit 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!



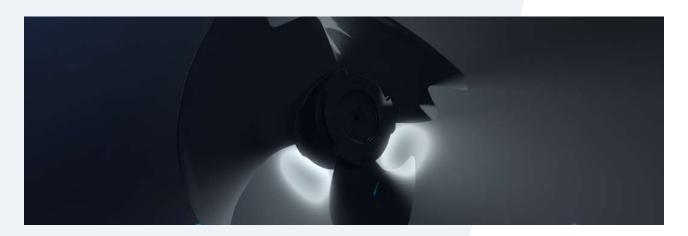
Sound pressure scale



## 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.

<sup>\*</sup> Erp sound power: Daikin Altherma 3 R MT: 56 dBA



## Innovation at the heart of our concerns

The Daikin Altherma 3 R MT is at top of low sound and heating performances thanks to dedicated developments. Several major components are designed to make this product reach the excellence such as a double injection compressor and a single fan even for large capacity units as well as a brand-new casing.

#### A contemporary design casing

The black front grille 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 sligthly reflecting the environment where the unit is installed, helping it to blend in in any decor.

This unique design already got design awards.





reddot design award winner 2019

#### A single fan for all capacities

The single fan is slightly larger, replacing the usual double fan for high capacity units (classes 8-10-12).

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.

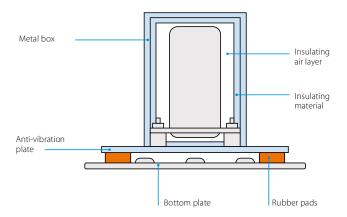


 $Compressor\ insulation\ and\ anti-vibration$ 

To reduce the compressor sound power, several actions were taken in terms of absorption and insulation.

First, the compressor is surrounded by a 3-layer insulation made of air, insulation material and a metal box.

Regarding the absorption, the unit benefits from a double sound reduction by using rubber pads between the bottom plate and the vibration plate under the compressor.



#### New double injection compressor

To make this product unique, Daikin Europe cooperated with Daikin Japan to develop top notch components. Daikin Altherma 3 R MT is available in classes 8-10-12 delivers up to 65 °C leaving water temperature.



#### Impressive performance

In line with our other heat pump models optimized for replacement, the Daikin Altherma 3 R MT reaches the best performances illustrated in the energy labels:





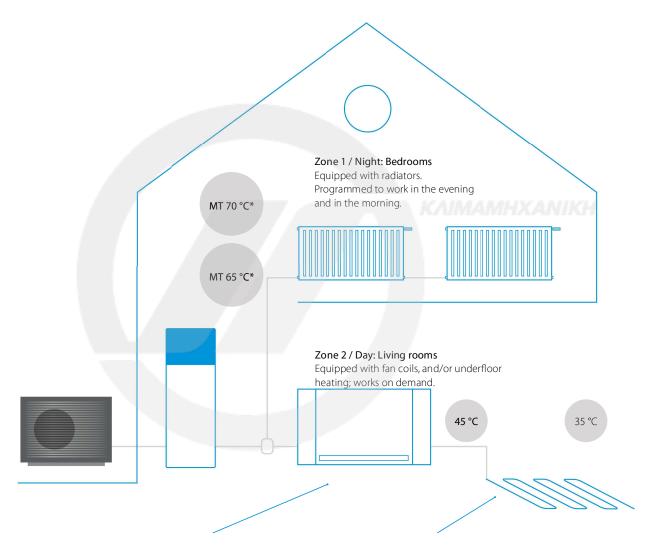
35 ℃ and 55 ℃ Space heating



Feel a true performance

# Get the best comfort with the best functionalities

The indoor units come in 3 possible versions: heating only, reversible and bizone, giving you the opportunity to tailor your Daikin heating system.



**Daikin Altherma HPC** (heat pump convectors) are hydronic emitters that can provide cooling or heating. They can be combined and are a perfect fit with underfloor systems.

Your **underfloor piping system** is designed to receive midtemperature water to heat your home, but when the summer comes, the pipes can also receive colder water to refresh your environment.

<sup>\*</sup> Daikin Altherma 3 R MT produces a LWT up to 65  $^{\circ}\text{C}$  (08-10-12 classes).

Sky Air

VRV





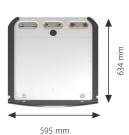




## Floor standing unit with integrated tank

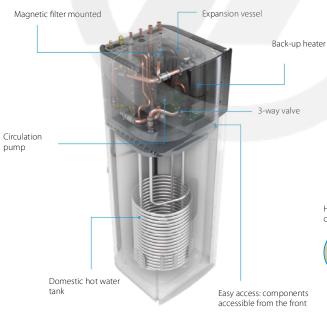
With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.





**BLUEVOLUTION** 

Floor standing air to water heat pump for heating and hot water: ETVH units Floor standing air to water heat pump for heating, cooling and hot water: ETVX units Floor standing integrated with two different temperature zones monitoring: ETVZ units





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## Daikin Altherma 3 R The power pact



The Daikin Altherma 3 R is the world's first high capacity R-32 refrigerant split unit, providing cooling next to heating and domestic hot water.

#### Improved compactness

#### A redesigned casing

A black horizontal front grille hides the single fan, reducing the perception of sound produced by the unit.

The light grey casing reflects the installation space to help the unit blend into any environment.

#### A single fan for high-capacity units

Daikin engineers replaced the double fan with one larger fan and optimised its shape to lower the operational sound and improve air circulation.



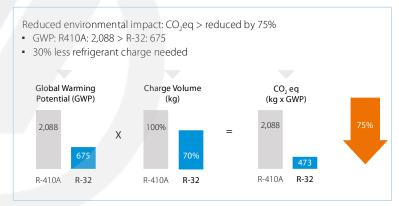
1,100 mm





#### Running on refrigerant R-32

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 CO<sub>2</sub> emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO<sub>2</sub> emission targets.



#### **BLUEVOLUTION**

#### Ideal for small spaces

870 mm

460 mm

Thanks to its single fan, the height is reduced, and its black grille makes it fit discretely in all kind of exteriors.





Check out the improved compactness!



## Improved performance

## All year round comfort

Daikin Altherma 3 R provides heating efficiently, both for space or domestic water.

With a leaving water temperature of up to  $60^{\circ}\text{C}$  at  $-7^{\circ}\text{C}$  outside, the unit is intended for new buildings. The unit operations are ensured down to  $-25^{\circ}\text{C}$  outside temperature.

As a low temperature heat pump, it is particularly efficient with low temperature emitters, such as underfloor heating and heat pump convectors, both available in the total Daikin solution.

#### World first in its category

Indeed, Daikin Altherma 3 R is the world first high capacity R-32 refrigerant split heat pump to provide cooling, next to heating!

A patent is also pending for the plate hate exchanger, positioning once more Daikin as the heat pump leader (patent application n°EP3839360).





Check out the improved performance!

VRV







Underfloor heating Heat pump convector



## Daikin Altherma 3 R, a complete offer

- Space Heating
- Space Cooling
- **O**Domestic hot water
- App and voice control
- Flexible emitter choice
- All year round peace of mind



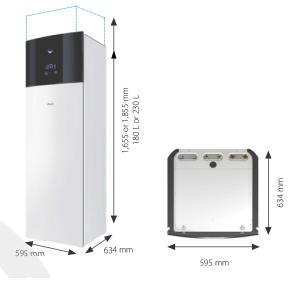




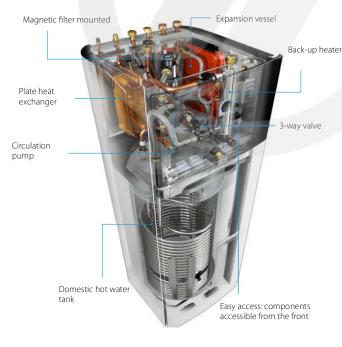


## Floor standing unit with integrated tank

With a small footprint of 595 x 634 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.



Floor standing air to water heat pump for heating and hot water: EBVH units Floor standing air to water heat pump for heating, cooling and hot water: EBVX units Floor standing unit integrated with different temperature zones management: EBVZ units







#### Floor standing air to water heat pump for heating and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 634 mm
- · Integrated back-up heater of 6 or 9 kW

011-1W0495 011-1W0496 011-1W0497 011-1W0498 011-1W0499 011-1W0500









60 °C



R-32













| Efficiency data |                  |           | E                                 | BVH + ERLA         | 11S18D6V/9W<br>11DV/W | + 11S23D6V/9<br>11DV/W |     | 8D6V/9W +<br>4DV/W | 16S23D6V/9W<br>+14DV/W | 16S18D6V/9W +<br>16DV7/W7 | 16S23D6V/9W<br>+16DV7/W7 |
|-----------------|------------------|-----------|-----------------------------------|--------------------|-----------------------|------------------------|-----|--------------------|------------------------|---------------------------|--------------------------|
| Space heating   | Average          | General   | SCOP                              |                    |                       | 3.23                   |     | 3.2                | 22                     | 3.3                       | 32                       |
| •               | climate<br>water |           | ns (Seasonal s<br>heating efficie |                    | 1                     | 22.00                  | 126 |                    |                        | 13                        | 0                        |
|                 | outlet 55°C      |           | Seasonal space                    | heating eff. class |                       |                        |     | (R                 | 1                      |                           |                          |
|                 | Average          | General   | SCOP                              |                    |                       | 4.63                   |     | 4.6                | 50                     | 4.6                       | 51                       |
|                 | climate<br>water |           | ns (Seasonal s                    |                    |                       | 182                    |     |                    | 1                      | 81                        |                          |
|                 | outlet 35°C      |           | Seasonal space                    | heating eff. class | ,                     |                        |     | (K                 | 1                      |                           |                          |
| Domestic hot    | General          | Declared  | load profile                      | 7 7                | L                     | XL                     |     | L                  | XL                     | L                         | XL                       |
| water heating   | Average          | COPdhw    |                                   |                    | 2.73                  | 2.63                   |     | 2.73               | 2.63                   | 2.73                      | 2.63                     |
|                 | climate          | nwh (wate | er heating efficie                | ency) %            | 116                   | 109                    |     | 116                | 109                    | 116                       | 109                      |
|                 |                  | Water hea | ating energy ef                   | ficiency class     | <b>E</b> 7            | A F                    |     | (E)                | (A j                   | (# j                      | (A)                      |

| Indoor Unit         |                         |             |                    | EBVH | 11S18D6V/9W   | 11S23D6V/9W   | 16S18D6V/9W   | 16S23D6V/9W   | 16S18D6V/9W   | 16S23D6V/9W   |
|---------------------|-------------------------|-------------|--------------------|------|---------------|---------------|---------------|---------------|---------------|---------------|
| Casing              | Colour                  |             |                    |      |               |               | White         | + Black       |               |               |
| -                   | Material                |             |                    |      |               |               | Precoated     | sheet metal   |               |               |
| Dimensions          | Unit                    |             | HeightxWidthxDepth | mm   | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,655x595x634 | 1,655x595x634 | 1,855x595x634 |
| Weight              | Unit                    | No.         |                    | kg   | 124           | 133           | 124           | 133           | 124           | 133           |
| Tank                | Water volu              | ıme         |                    | Ī    | 180           | 230           | 180           | 230           | 180           | 230           |
|                     | Maximum                 | water temp  | perature           | °C   |               | 1000          | 7             | 0             |               |               |
|                     | Maximum                 | water press | sure               | bar  |               |               | 1             | 0             |               |               |
|                     | Corrosion               | protection  |                    |      |               |               | Picl          | ding          |               |               |
| Operation range     | Heating                 | Ambient     | Min. ~ Max.        | °C   |               |               | -25           | ~ 35          |               |               |
| -                   | _                       | Water side  | Min. ~ Max.        | °C   |               |               | 18 -          | ~ 60          |               |               |
|                     | Domestic                | Ambient     | Min. ~ Max.        | °C   |               |               | -25           | ~ 35          |               |               |
|                     | hot water               | Water side  | Min. ~ Max.        | °C   |               |               | 10 -          | ~ 60          |               |               |
| Sound power level   | Nom.                    |             |                    | dBA  |               |               | 4             | 4             |               |               |
| Sound pressure leve | ssure level Nom. dBA 30 |             |                    |      |               |               |               |               |               |               |

| Souria pressure ieve                                 | i Nom.             |                    | UDA    | JDA 30  |                               |            |  |  |  |  |  |
|--|--------------------|--------------------|--------|---|-------------------------------|------------|--|--|--|--|--|
| Outdoor Unit   |                    |                    | ERLA   | 11DV3/W1                                      | 14DV3/W1                      | 16DV37/W17 |  |  |  |  |  |
| Dimensions   | Unit               | HeightxWidthxDepth | mm     |   | 870x1,100x460                 |            |  |  |  |  |  |
| Weight   | Unit               |                    | kg     |   | 101                           |            |  |  |  |  |  |
| Compressor   | Quantity           |                    |        |   | 1                             |            |  |  |  |  |  |
|  | Туре               |                    |        | Hermetically sealed swing inverter compressor |                               |            |  |  |  |  |  |
| Operation range                                      | Heating            | Min. ~ Max.        | °CDB   | -25 ~ 35                                      |                               |            |  |  |  |  |  |
|  | Cooling            | Min. ~ Max.        | °CDB   |   | 10 ~ 43                       |            |  |  |  |  |  |
|  | Domestic hot water | Min. ~ Max.        | °CDB   |   | -25 ~ 35                      |            |  |  |  |  |  |
| Refrigerant  | Type               |                    |        | R-32  |                               |            |  |  |  |  |  |
|  | GWP                |                    |        | 675   |                               |            |  |  |  |  |  |
|  | Charge             |                    | kg     |   | 3.80                          |            |  |  |  |  |  |
|  | Charge             |                    | TCO2Eq |   | 2.57                          |            |  |  |  |  |  |
|  | Control            |                    |        |   | Expansion valve               |            |  |  |  |  |  |
| LW(A) Sound power<br>level (according to<br>EN14825) |                    |                    |        |   | 62                            |            |  |  |  |  |  |
| Sound pressure level (at 1 meter)                    | Nom.               |                    |        | 48  |                               |            |  |  |  |  |  |
| Power supply   | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |   | V3/1 ~/50/230 / W1/3 ~/50/400 |            |  |  |  |  |  |
| Current  | Recommended fuses  | ·                  | Α      | 32/16   |                               |            |  |  |  |  |  |
|  |                    |                    |        |   |                               |            |  |  |  |  |  |





## Floor standing air to water heat pump for heating, cooling and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- · Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- · Small installation footprint of 595 x 634 mm
- Integrated back-up heater of 6 or 9 kW



























| Efficiency data |                  |           |                               | EBVX + ERLA          | 11S18D6V/9\<br>11DV/W | V + 11S | 23D6V/9W +<br>11DV/W | 16S18D6V/9W +<br>14DV/W | + 16S23D6V/9W<br>+ 14DV/W | 16S18D6V/9W +<br>16DV7/W7 | 16S23D6V/9W<br>+16DV7/W7 |
|-----------------|------------------|-----------|-------------------------------|----------------------|-----------------------|---------|----------------------|-------------------------|---------------------------|---------------------------|--------------------------|
| Space heating   | Average          | General   | SCOP                          |                      |                       | 3.27    | 7                    | 3                       | .26                       | 3.3                       | 35                       |
|                 | climate<br>water |           | ns (Seasonal<br>heating effic |                      |                       |         | 1.                   | 28                      |                           | 13                        | 31                       |
|                 | outlet 55°C      |           | Seasonal spac                 | e heating eff. class |                       |         |                      |                         | # ()                      |                           |                          |
|                 | Average          | General   | SCOP                          |                      |                       | 4.72    |                      |                         | 4.                        | .68                       |                          |
|                 | climate<br>water |           | ns (Seasonal<br>heating effic |                      |                       | 186     |                      |                         | 1                         | 84                        |                          |
|                 | outlet 35°C      |           | Seasonal spac                 | e heating eff. class |                       |         |                      |                         | <b>AT</b> 2               |                           |                          |
| Domestic hot    | General          | Declared  | load profile                  |                      | L                     |         | XL                   | L                       | XL                        | L                         | XL                       |
| water heating   | Average          | COPdhw    |                               |                      | 2.73                  |         | 2.63                 | 2.73                    | 2.63                      | 2.73                      | 2.63                     |
|                 | climate          | ŋwh (wate | r heating effic               | iency) %             | 116                   |         | 109                  | 116                     | 109                       | 116                       | 109                      |
|                 |                  | Water hea | ting energy e                 | efficiency class     | <b>E</b>              |         | (A)                  | <b>E</b> 7              | (A)                       | <b>E</b>                  | (A)                      |

| Indoor Unit         |            |            |                    | EBVX | 11S18D6V/9W   | 11S23D6V/9W   | 16S18D6V/9W   | 16S23D6V/9W   | 16S18D6V/9W   | 16S23D6V/9W   |
|---------------------|------------|------------|--------------------|------|---------------|---------------|---------------|---------------|---------------|---------------|
| Casing              | Colour     |            |                    |      |               |               | White         | + Black       |               |               |
|                     | Material   |            |                    |      |               |               | Precoated:    | sheet metal   |               |               |
| Dimensions          | Unit       |            | HeightxWidthxDepth | mm   | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 |
| Weight              | Unit       |            |                    | kg   | 124           | 133           | 124           | 133           | 124           | 133           |
| Tank                | Water volu | ıme        |                    | 1    | 180           | 230           | 180           | 230           | 180           | 230           |
|                     | Maximum    | water temp | perature           | °C   |               |               | 7             | 0             |               |               |
|                     | Maximum    | water pres | sure               | bar  |               |               | 1             | 0             |               |               |
|                     | Corrosion  | protection |                    |      |               |               | Pick          | ling          |               |               |
| Operation range     | Heating    | Ambient    | Min. ~ Max.        | °C   |               |               | -25           | ~ 35          |               |               |
|                     |            | Water side | Min. ~ Max.        | °C   |               |               | 18 ~          | - 60          |               |               |
|                     | Cooling    | Ambient    | Min. ~ Max.        | °C   |               |               | 10 -          | ~ 43          |               |               |
|                     |            | Water side | Min. ~ Max.        | °C   |               |               | 5 ~           | · 22          |               |               |
|                     | Domestic   | Ambient    | Min. ~ Max.        | °C   |               |               | -25           | ~ 35          |               |               |
|                     | hot water  | Water side | Min. ~ Max.        | °C   |               |               | 10 -          | ~ 60          |               |               |
| Sound power level   | Nom.       |            |                    | dBA  |               |               | 4             | 4             |               |               |
| Sound pressure leve | l Nom.     |            |                    | dBA  |               |               | 3             | 0             |               |               |

| Sound pressure leve                                 | l Nom.             |                    | dBA    | A 30      |                                    |            |  |  |  |  |
|---|--------------------|--------------------|--------|-----------|------------------------------------|------------|--|--|--|--|
| Outdoor Unit  |                    |                    | ERLA   | 11DV3/W1  | 14DV3/W1                           | 16DV37/W17 |  |  |  |  |
| Dimensions  | Unit               | HeightxWidthxDepth | mm     |           | 870x1,100x460                      |            |  |  |  |  |
| Weight  | Unit               |                    | kg     |           | 101                                |            |  |  |  |  |
| Compressor  | Quantity           |                    |        |           | 1                                  |            |  |  |  |  |
|   | Туре               |                    |        | Herm      | etically sealed swing inverter com | pressor    |  |  |  |  |
| Operation range                                     | Heating            | Min. ~ Max.        | °CDB   |           |                                    |            |  |  |  |  |
|   | Cooling            | Min. ~ Max.        | °CDB   | B 10 ~ 43 |                                    |            |  |  |  |  |
|   | Domestic hot water | Min. ~ Max.        | °CDB   |           | -25 ~ 35                           |            |  |  |  |  |
| Refrigerant   | Type               |                    |        |           | R-32                               |            |  |  |  |  |
|   | GWP                |                    |        |           | 675                                |            |  |  |  |  |
|   | Charge             |                    | kg     |           | 3.80                               |            |  |  |  |  |
|   | Charge             |                    | TCO2Eq |           | 2.57                               |            |  |  |  |  |
|   | Control            |                    |        |           | Expansion valve                    |            |  |  |  |  |
| LW(A) Sound powe<br>level (according to<br>EN14825) | r                  |                    |        |           | 62                                 |            |  |  |  |  |
| Sound pressure leve (at 1 meter)                    | l Nom.             |                    | 48     |           |                                    |            |  |  |  |  |
| Power supply  | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |           | V3/1 ~/50/230 / W1/3 ~/50/400      |            |  |  |  |  |
| Current   | Recommended fuses  | i                  | Α      |           | 32/16                              |            |  |  |  |  |

This product contains fluorinated greenhouse gases.

Split

VRV

## /stems

## Daikin Altherma 3 R F

## Floor standing integrated with **two different** temperature zones monitoring

- · A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 634 mm
- Integrated back-up heater of 6 or 9 kW

























| 011 100000      |                                 |                   | LDVZ L                                  | /O V           | LDVZ DJVV               | LITE/ THE ITE           | JVJ LINL/NII            | ITD VVI LIV            | LITUVJI                   | LITE/T DVVI/             |
|-----------------|---------------------------------|-------------------|---|----------------|-------------------------|-------------------------|-------------------------|------------------------|---------------------------|--------------------------|
| Efficiency data |                                 |                   | EBV                                     | Z + ERLA       | 16S18D6V/9W +<br>11DV/W | 16S23D6V/9W<br>+ 11DV/W | 16S18D6V/9W +<br>14DV/W | 16S23D6V/9W<br>+14DV/W | 16S18D6V/9W +<br>16DV7/W7 | 16S23D6V/9W<br>+16DV7/W7 |
| Space heating   | Average                         | General           | SCOP                                    |                | 3                       | .23                     | 3.                      | 22                     | 3.                        | 32                       |
| *               | climate<br>water<br>outlet 55°C |                   | ns (Seasonal spac<br>heating efficiency |                | 1                       | 31                      | 12                      | 16                     | 1:                        | 30                       |
| outlet 55       |                                 | C                 | Seasonal space heat                     | ing eff. class |                         |                         | Į.                      | •                      |                           |                          |
|                 | Average                         | General           | SCOP                                    |                | 4                       | .61                     | 4.                      | 50                     | 4                         | .61                      |
|                 | climate<br>water                |                   | ns (Seasonal spac<br>heating efficiency |                | 1                       | 82                      |                         | 1                      | 81                        |                          |
|                 | outlet 35°                      | C                 | Seasonal space heating eff. class       |                |                         |                         | <u> </u>                | • (1)                  |                           |                          |
| Domestic hot    | General                         | Declared          | load profile                            |                | L                       | XL                      | L                       | XL                     | L                         | XL                       |
| water heating   | Average                         | COPdhw            |   |                | 2.73                    | 2.63                    | 2.73                    | 2.63                   | 2.73                      | 2.63                     |
|                 | climate                         | nate nwh (water h | er heating efficiency                   | /) %           | 116                     | 109                     | 116                     | 109                    | 116                       | 109                      |
|                 |                                 |                   | tina eneray efficie                     | ency class     | (A)                     | A F                     | <b>A</b> 1              | (A)                    | <b>#</b> }                | A F                      |

| Indoor Unit                     |                           |             |                    | EBVZ | 16S18D6V/9W   | 16S23D6V/9W   | 16S18D6V/9W   | 16S23D6V/9W   | 16S23D6V/9W   | 16S23D6V/9W   |
|---------------------------------|---------------------------|-------------|--------------------|------|---------------|---------------|---------------|---------------|---------------|---------------|
| Casing                          | Colour                    |             |                    |      |               |               | White         | + Black       |               |               |
|                                 | Material                  |             |                    |      |               |               | Precoated     | sheet metal   |               |               |
| Dimensions                      | Unit                      |             | HeightxWidthxDepth | mm   | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 |
| Weight                          | Unit                      |             |                    | kg   | 137           | 145           | 137           | 145           | 137           | 145           |
| Tank                            | Water volu                | ıme         |                    | 1    | 180           | 230           | 180           | 230           | 180           | 230           |
|                                 | Maximum water temperature |             | perature           | °C   |               |               | 7             | 0             |               |               |
|                                 | Maximum                   | water press | sure               | bar  |               |               | 1             | 0             |               |               |
|                                 | Corrosion                 | protection  |                    |      |               |               | Pick          | ding          |               |               |
| Operation range                 | Heating                   | Ambient     | Min. ~ Max.        | °C   |               |               | -25           | ~ 35          |               |               |
|                                 |                           | Water side  | Min. ~ Max.        | °C   |               |               | 18 -          | ~ 60          |               |               |
|                                 | Domestic                  | Ambient     | Min. ~ Max.        | °C   |               |               | -25           | ~ 25          |               |               |
|                                 | hot water                 | Water side  | Min. ~ Max.        | °C   |               |               | 10 -          | ~ 60          |               |               |
| Sound power leve                | l Nom.                    |             |                    | dBA  |               |               | 4             | 4             |               |               |
| Sound pressure level Nom. dBA 3 |                           |             |                    |      |               | 0             |               |               |               |               |

| Sound pressure leve                                  | el Nom.            |                    | dBA    | dBA 30   |                                    |            |  |  |  |  |
|--|--------------------|--------------------|--------|----------|------------------------------------|------------|--|--|--|--|
| Outdoor Unit   |                    |                    | ERLA   | 11DV3/W1 | 14DV3/W1                           | 16DV37/W17 |  |  |  |  |
| Dimensions   | Unit               | HeightxWidthxDepth | mm     |          | 870x1,100x460                      |            |  |  |  |  |
| Weight   | Unit               | -                  | kg     |          | 101                                |            |  |  |  |  |
| Compressor   | Quantity           |                    |        |          | 1                                  |            |  |  |  |  |
|  | Туре               |                    |        | Herme    | etically sealed swing inverter com | oressor    |  |  |  |  |
| Operation range                                      | Heating            | Min. ~ Max.        | °CDB   |          |                                    |            |  |  |  |  |
|  | Cooling            | Min. ~ Max.        | °CDB   | 10 ~ 43  |                                    |            |  |  |  |  |
|  | Domestic hot water | Min. ~ Max.        | °CDB   |          | -25 ~ 35                           |            |  |  |  |  |
| Refrigerant  | Туре               |                    |        |          | R-32                               |            |  |  |  |  |
| -  | GWP                |                    |        |          | 675                                |            |  |  |  |  |
|  | Charge             |                    | kg     |          | 3.80                               |            |  |  |  |  |
|  | Charge             |                    | TCO2Eq |          | 2.57                               |            |  |  |  |  |
|  | Control            |                    |        |          | Expansion valve                    |            |  |  |  |  |
| LW(A) Sound power<br>level (according to<br>EN14825) |                    |                    |        |          | 62                                 |            |  |  |  |  |
| Sound pressure leve<br>(at 1 meter)                  | el Nom.            |                    |        | 48       |                                    |            |  |  |  |  |
| Power supply   | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |          | V3/1 ~/50/230 / W1/3 ~/50/400      |            |  |  |  |  |
| Current  | Recommended fuses  |                    | Α      | A 32/16  |                                    |            |  |  |  |  |

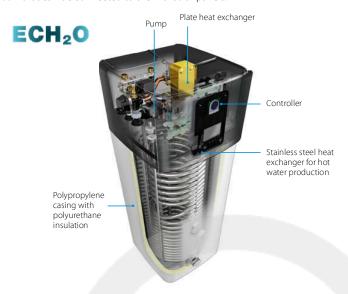
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 $\equiv$ 



## Floor standing unit with integrated ECH<sub>2</sub>O tank

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water. The ECH<sub>2</sub>O unit is equipped with a thermal DHW tank of 300 or 500 L that can be connected to thermal solar panels.





BLUEVOLUTION

Floor standing air-to-water heat pump for heating and hot water with thermal solar suport: EBSH units Floor standing air-to-water heat pump for bivalent heating and hot water with thermal solar suport: EBSHB units Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar suport: EBSX units Floor standing air-to-water heat pump for bivalent heating, cooling and hot water with thermal solar suport: EBSXB units

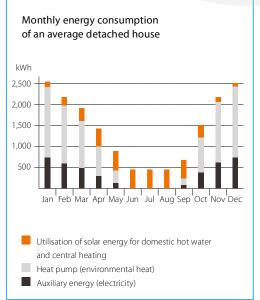
#### Pressureless (drain-back) solar system EBSH-D, EBSX-D EBSHB-D, EBSXB-D

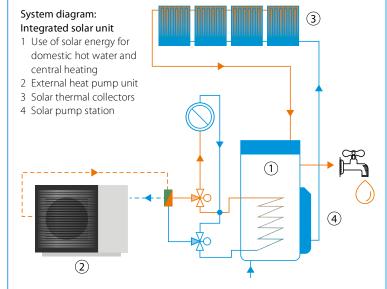
#### • The solar collectors are only filled with water when sufficient heating is provided by the sun

- 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





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## Daikin Altherma 3 R ECH<sub>2</sub>O

## Floor standing air-to-water heat pump for **heating** and hot water with thermal solar support

- · Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- · Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- · Solar support of domestic hot water with pressureless (drain-back) solar system





















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V3/1 ~/50/230 / W1/3 ~/50/400





| 011-1W0494      |                  |           |   |            | ER2H-D             | l    | EKLAII-14        | 4DV3 | EKLAII-           | I4DVVI EKI         | LA-DV3/              | EKLA-DVVI/           |
|-----------------|------------------|-----------|---|------------|--------------------|------|------------------|------|-------------------|--------------------|----------------------|----------------------|
| Efficiency data |                  |           | EBSH +                                    | ERLA       | 11P30D +<br>11DV/W | 1    | 1P50D +<br>11D/W |      | 6P30D +<br>14DV/W | 16P50D +<br>14DV/W | 16P30D +<br>16DV7/W7 | 16P50D +<br>16DV7/W7 |
| Space heating   | Average          | General   | SCOP                                      |            | 3                  | 3.23 |                  |      | 3.                | 22                 | 3.                   | 32                   |
| *               | climate<br>water |           | ns (Seasonal space<br>heating efficiency) | %          |                    |      |                  | 126  |                   |                    | 13                   | 30                   |
|                 | outlet 55°       | C         | Seasonal space heating                    | eff. class |                    |      |                  |      | <b>A</b>          | 9                  |                      |                      |
|                 | Average          | General   | SCOP                                      |            |                    | 4.63 |                  |      | 4.0               | 60                 | 4.                   | .61                  |
|                 | climate<br>water |           | ns (Seasonal space<br>heating efficiency) | %          |                    | 182  |                  |      |                   | 1:                 | 81                   |                      |
|                 | outlet 35°       | C         | Seasonal space heating                    | eff. class |                    |      |                  |      | <b>(8</b>         | • 6                |                      |                      |
| Domestic hot    | General          | Declared  | load profile                              |            | , L                |      | XL               |      | L                 | XL                 | L                    | XL                   |
| water heating   | Average          | COPdhw    |   |            | 2.73/2.75          |      | 3.05/3.10        |      | 2.73/2.75         | 3.05/3.10          | 2.73/2.75            | 3.05/3.10            |
|                 | climate          | ŋwh (wate | er heating efficiency)                    | %          | 115/116            |      | 126/128          |      | 115/116           | 126/128            | 115/116              | 126/128              |
|                 |                  |           | iting energy efficienc                    | y class    |                    |      |                  |      | 4                 | T (2)              |                      |                      |

| Indoor Unit                         |              |            |                    | EBSH | 11P30D        | 11P50D        | 16P30D          | 16P50D              | 16P30D        | 16P50D        |  |  |  |
|-------------------------------------|--------------|------------|--------------------|------|---------------|---------------|-----------------|---------------------|---------------|---------------|--|--|--|
| Casing                              | Colour       |            |                    |      |               | Traffic       | white (RAL9016) | / Traffic black (RA | L9017)        |               |  |  |  |
|                                     | Material     |            |                    |      |               |               | Impact resistan | t polypropylene     |               |               |  |  |  |
| Dimensions                          | Unit         |            | HeightxWidthxDepth | mm   | 1,893x594x680 | 1,910x792x817 | 1,893x594x680   | 1,910x792x817       | 1,893x594x680 | 1,910x792x817 |  |  |  |
| Weight                              | Unit         |            |                    | kg   | 93            | 114           | 93              | 114                 | 93            | 114           |  |  |  |
| Tank                                | Water volume |            |                    | - 1  | 294           | 477           | 294             | 477                 | 294           | 477           |  |  |  |
|                                     | Maximum      | water temp | perature           | °C   | 85            |               |                 |                     |               |               |  |  |  |
| Operation range                     | Heating      | Ambient    | Min. ~ Max.        | °C   |               | -25 ~ 35      |                 |                     |               |               |  |  |  |
|                                     |              | Water side | Min. ~ Max.        | °C   |               |               | 18 ~            | - 60                |               |               |  |  |  |
|                                     | Domestic     | Ambient    | Min. ~ Max.        | °C   |               |               | -25             | ~ 35                |               |               |  |  |  |
| hot water Water side Min. ~ Max.    |              |            | °C                 |      |               | 10 ~          | - 60            |                     |               |               |  |  |  |
| Sound power level Nom.              |              |            |                    |      | 44.70         |               |                 |                     |               |               |  |  |  |
| Sound pressure level Nom. dBA 36.80 |              |            |                    |      |               |               |                 |                     |               |               |  |  |  |

| о с с р . с . с . с . с | • · · · • · · · · · · · · · · · · · · · |                    | 4-2-1-1 |          |                                     |            |
|-------------------------|---|--------------------|---------|----------|-------------------------------------|------------|
| Outdoor Unit            |   |                    | ERLA    | 11DV3/W1 | 14DV3/W1                            | 16DV37/W17 |
| Dimensions              | Unit                                    | HeightxWidthxDepth | mm      |          | 870x1,100x460                       |            |
| Weight                  | Unit                                    |                    | kg      |          | 101                                 |            |
| Compressor              | Quantity                                |                    |         |          | 1                                   |            |
|                         | Туре                                    |                    |         | Hermo    | etically sealed swing inverter comp | ressor     |
| Operation range         | Heating                                 | Min. ~ Max.        | °CDB    |          | -25 ~ 35                            |            |
|                         | Cooling                                 | Min. ~ Max.        | °CDB    |          | 10 ~ 43                             |            |
|                         | Domestic hot water                      | Min. ~ Max.        | °CDB    |          | -25 ~ 35                            |            |
| Refrigerant             | Type                                    |                    |         |          | R-32                                |            |
|                         | GWP                                     |                    |         |          | 675                                 |            |
|                         | Charge                                  |                    | kg      |          | 3.80                                |            |
|                         | Charge                                  |                    | TCO2Eq  |          | 2.57                                |            |
|                         | Control                                 |                    |         |          | Expansion valve                     |            |
| LW(A) Sound power       | er                                      |                    |         |          | 62                                  |            |
| 1 1 /                   |   |                    |         |          |                                     |            |

Hz/V

level (according to EN14825)

Sound pressure level Nom. (at 1 meter)

Power supply

Name/Phase/Frequency/Voltage

Current Recommended fuses
This product contains fluorinated greenhouse gases.

VRV

## Daikin Altherma 3 R ECH<sub>2</sub>O

Floor standing air-to-water heat pump for bivalent heating and hot water with thermal solar support

- · Integrated solar unit, offering top comfort in heating and hot water
- · Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- · Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- · Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- · Bivalent system: combinable with a secondary heat source













R-32











| 011-1W0494       |                       |                                       |   |           | EBSHB-D            | ERLA11-            | 14DV3 | ERLA11-          | 14DW1 ERI          | LA-DV37              | ERLA-DW17            |
|------------------|-----------------------|---------------------------------------|---|-----------|--------------------|--------------------|-------|------------------|--------------------|----------------------|----------------------|
| Efficiency data  |                       |                                       | EBSHB +                                   | ERLA      | 11P30D +<br>11DV/W | 11P50D +<br>11DV/W |       | 6P30D +<br>4DV/W | 16P50D +<br>14DV/W | 16P30D +<br>16DV7/W7 | 16P50D +<br>16DV7/W7 |
| Space heating    | Average               | General                               | SCOP                                      |           |                    | 3.23               |       | 3                | .22                | 3.                   | 32                   |
| climate<br>water |                       | er                                    | ns (Seasonal space<br>heating efficiency) | %         |                    |                    | 126   |                  |                    | 13                   | 30                   |
|                  | outlet 55°C           | 2                                     | Seasonal space heating e                  | ff. class |                    |                    |       |                  | <b>E</b> 2         |                      |                      |
|                  | Average climate water | General                               | SCOP                                      |           |                    | 4.63               |       | 4                | .60                | 4.                   | 61                   |
|                  |                       |                                       | ns (Seasonal space<br>heating efficiency) | %         |                    | 182                |       |                  | 18                 | 81                   |                      |
|                  | outlet 35°C           |                                       | Seasonal space heating 6                  | ff. class |                    |                    |       | 4                | <b>87 </b>         |                      |                      |
| Domestic hot     | General               | Declared                              | load profile                              |           | L                  | XL                 |       | L                | XL                 | L                    | XL                   |
| water heating    | Average               | COPdhw                                |   |           | 2.73/2.75          | 3.05/3.10          | 2     | 2.73/2.75        | 3.05/3.10          | 2.73/2.75            | 3.05/3.10            |
|                  | climate               | ŋwh (wate                             | r heating efficiency)                     | %         | 115/116            | 126/128            |       | 115/116          | 126/128            | 115/116              | 126/128              |
| <b>~</b>         |                       | Water heating energy efficiency class |   |           |                    |                    | •     | <b>#</b> []      |                    |                      |                      |

| Indoor Unit                      |            |            |                    | EBSHB | 11P30D        | 11P50D        | 16P30D           | 16P50D              | 16P30D        | 16P50D        |  |  |  |
|----------------------------------|------------|------------|--------------------|-------|---------------|---------------|------------------|---------------------|---------------|---------------|--|--|--|
| Casing                           | Colour     |            |                    |       |               | Traffic       | white (RAL9016)  | / Traffic black (RA | L9017)        |               |  |  |  |
|                                  | Material   |            |                    |       |               |               | Impact resistant | polypropylene       |               |               |  |  |  |
| Dimensions                       | Unit       |            | HeightxWidthxDepth | mm    | 1,893x594x680 | 1,910x792x817 | 1,893x594x680    | 1,910x792x817       | 1,893x594x680 | 1,910x792x817 |  |  |  |
| Weight                           | Unit       |            |                    | kg    | 94            | 117           | 94               | 117                 | 94            | 117           |  |  |  |
| Tank                             | Water volu | ıme        |                    | - 1   | 294           | 477           | 294              | 477                 | 294           | 477           |  |  |  |
|                                  | Maximum    | water tem  | perature           | °C    |               | 85            |                  |                     |               |               |  |  |  |
| Operation range                  | Heating    | Ambient    | Min. ~ Max.        | °C    | -25 ~ 35      |               |                  |                     |               |               |  |  |  |
|                                  |            | Water side | Min. ~ Max.        | °C    |               | 18 ~ 60       |                  |                     |               |               |  |  |  |
|                                  | Domestic   | Ambient    | Min. ~ Max.        | °C    |               |               | -25              | ~ 35                |               |               |  |  |  |
| hot water Water side Min. ~ Max. |            |            |                    | °C    |               |               | 10 ~             | - 60                |               |               |  |  |  |
| Sound power level Nom.           |            |            |                    | dBA   | 44.70         |               |                  |                     |               |               |  |  |  |
| Sound pressure leve              | el Nom.    |            |                    | dBA   |               |               | 36.              | 80                  |               |               |  |  |  |

| Sound pressure leve                                  | el Nom.            |                    | dBA    | A   36.80 |                                     |            |  |  |  |  |
|--|--------------------|--------------------|--------|-----------|-------------------------------------|------------|--|--|--|--|
| Outdoor Unit   |                    |                    | ERLA   | 11DV3/W1  | 14DV3/W1                            | 16DV37/W17 |  |  |  |  |
| Dimensions   | Unit               | HeightxWidthxDepth | mm     |           | 870x1,100x460                       |            |  |  |  |  |
| Weight   | Unit               |                    | kg     |           | 101                                 |            |  |  |  |  |
| Compressor   | Quantity           |                    |        |           | 1                                   |            |  |  |  |  |
|  | Туре               |                    |        | Hermo     | etically sealed swing inverter comp | oressor    |  |  |  |  |
| Operation range                                      | Heating            | Min. ~ Max.        | °CDB   |           | -25 ~ 35                            |            |  |  |  |  |
|  | Cooling            | Min. ~ Max.        | °CDB   |           | 10 ~ 43                             |            |  |  |  |  |
|  | Domestic hot water | Min. ~ Max.        | °CDB   |           | -25 ~ 35                            |            |  |  |  |  |
| Refrigerant  | Type               |                    |        |           | R-32                                |            |  |  |  |  |
|  | GWP                |                    |        |           | 675                                 |            |  |  |  |  |
|  | Charge             |                    | kg     |           | 3.80                                |            |  |  |  |  |
|  | Charge             |                    | TCO2Eq |           | 2.57                                |            |  |  |  |  |
|  | Control            |                    |        |           | Expansion valve                     |            |  |  |  |  |
| LW(A) Sound power<br>level (according to<br>EN14825) |                    |                    |        |           |                                     |            |  |  |  |  |
| Sound pressure leve (at 1 meter)                     | el Nom.            |                    |        |           |                                     |            |  |  |  |  |
| Power supply   | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |           | V3/1 ~/50/230 / W1/3 ~/50/400       |            |  |  |  |  |
| Current  | Recommended fuses  | 3                  | Α      |           | 32/16                               |            |  |  |  |  |

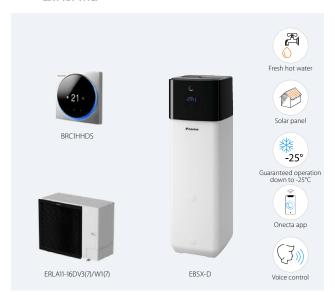




## Daikin Altherma 3 R ECH<sub>2</sub>O

Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar support

- · Integrated solar unit, offering top comfort in heating, hot water and cooling
- · Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot
- · Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- · Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- · Solar support of domestic hot water with pressureless (drain-back) solar system

























| Efficiency data  |                  |                                       | EBSX -                                    | ERLA         | 11P30D +<br>11DV/W | 11P50D +<br>11DV/W | 16P30D +<br>14DV/W | 16P50D +<br>14DV/W | 16P30D +<br>16DV7/W7 | 16P50D +<br>16DV7/W7 |  |
|------------------|------------------|---------------------------------------|---|--------------|--------------------|--------------------|--------------------|--------------------|----------------------|----------------------|--|
| Space heating    | Average          | General                               | SCOP                                      |              | 3.                 | 27                 | 3                  | .26                | 6 3.35               |                      |  |
| climate<br>water | water            |                                       | ns (Seasonal space<br>heating efficiency) | %            |                    |                    | 128                |                    | 1                    | 31                   |  |
|                  | outlet 55°C      |                                       | Seasonal space heating eff. class         |              |                    |                    | •                  | R į                |                      |                      |  |
|                  | Average          | General                               | SCOP                                      | 5COP 4.72 4. |                    |                    |                    |                    |                      |                      |  |
|                  | climate<br>water |                                       | ns (Seasonal space % heating efficiency)  |              | 18                 | 36                 |                    |                    | 184                  |                      |  |
|                  | outlet 35°C      |                                       | Seasonal space heating                    | eff. class   |                    |                    | •                  | <b>F</b>           |                      |                      |  |
| Domestic hot     | General          | Declared                              | load profile                              |              | L                  | XL                 | L                  | XL                 | L                    | XL                   |  |
| water heating    | Average          | COPdhw                                |   |              | 2.73/2.75          | 3.05/3.10          | 2.73/2.75          | 3.05/3.10          | 2.73/2.75            | 3.05/3.10            |  |
| .0_              | climate          | ŋwh (wate                             | r heating efficiency)                     | %            | 115/116            | 126/128            | 115/116            | 126/128            | 115/116              | 126/128              |  |
| <b>~</b>         |                  | Water heating energy efficiency class |   | y class      |                    |                    |                    | <b>A</b> 1         |                      |                      |  |

| Indoor Unit                      |                            |            |             | EBSX | 11P30D  | 11P50D        | 16P30D        | 16P50D        | 16P30D        | 16P50D        |  |  |
|----------------------------------|----------------------------|------------|-------------|------|---|---------------|---------------|---------------|---------------|---------------|--|--|
| Casing                           | Colour                     |            |             |      | Traffic white (RAL9016) / Traffic black (RAL9017) |               |               |               |               |               |  |  |
|                                  | Material                   |            |             |      | Impact resistant polypropylene                    |               |               |               |               |               |  |  |
| Dimensions                       | Unit                       |            |             |      | 1,893x594x680                                     | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 |  |  |
| Weight                           | Unit                       |            |             | kg   | 93  | 114           | 93            | 114           | 93            | 114           |  |  |
| Tank                             | Water volu                 | ıme        |             | Ī    | 294   | 477           | 294           | 477           | 294           | 477           |  |  |
|                                  | Maximum                    |            | perature    | °C   | 85  |               |               |               |               |               |  |  |
| Operation range                  | Heating                    | Ambient    | Min. ~ Max. | °C   | -25 ~ 35  |               |               |               |               |               |  |  |
| ,                                |                            | Water side | Min. ~ Max. | °C   | 18 ~ 60   |               |               |               |               |               |  |  |
|                                  | Cooling                    | Ambient    | Min. ~ Max. | °C   | 10 ~ 43   |               |               |               |               |               |  |  |
|                                  | _                          | Water side | Min. ~ Max. | °C   |   |               | 5.            | ~ 22          |               |               |  |  |
|                                  | Domestic                   | Ambient    | Min. ~ Max. | °C   |   |               | -25           | ~ 35          |               |               |  |  |
| hot water Water side Min. ~ Max. |                            |            |             | °C   | 10 ~ 60   |               |               |               |               |               |  |  |
| Sound power leve                 | Sound power level Nom. dBA |            |             |      | A 44.70   |               |               |               |               |               |  |  |
|                                  |                            |            | dRΔ         |      |   |               |               |               |               |               |  |  |

| Sound pressure leve          | el Nom.            |                    | dBA    | BBA 36.80                                     |                               |            |  |  |  |  |
|------------------------------|--------------------|--------------------|--------|---|-------------------------------|------------|--|--|--|--|
| Outdoor Unit                 |                    |                    | ERLA   | 11DV3/W1                                      | 14DV3/W1                      | 16DV37/W17 |  |  |  |  |
| Dimensions                   | Unit               | HeightxWidthxDepth | mm     |   | 870x1,100x460                 |            |  |  |  |  |
| Weight                       | Unit               |                    | kg     |   | 101                           |            |  |  |  |  |
| Compressor                   | Quantity           |                    |        |   | 1                             |            |  |  |  |  |
|                              | Туре               |                    |        | Hermetically sealed swing inverter compressor |                               |            |  |  |  |  |
| Operation range              | Heating            | Min. ~ Max.        | °CDB   |   | -25 ~ 35                      |            |  |  |  |  |
| _                            | Cooling            | Min. ~ Max.        | °CDB   | 10 ~ 43                                       |                               |            |  |  |  |  |
|                              | Domestic hot water | Min. ~ Max.        | °CDB   |   | -25 ~ 35                      |            |  |  |  |  |
|                              | Type               |                    |        |   | R-32                          |            |  |  |  |  |
|                              | GWP                |                    |        |   | 675                           |            |  |  |  |  |
|                              | Charge             |                    | kg     |   | 3.80                          |            |  |  |  |  |
|                              | Charge             |                    | TCO2Eq |   | 2.57                          |            |  |  |  |  |
|                              | Control            |                    |        |   | Expansion valve               |            |  |  |  |  |
| LW(A) Sound power            |                    |                    |        |   | 62                            |            |  |  |  |  |
| level (according to EN14825) |                    |                    |        |   |                               |            |  |  |  |  |
| Sound pressure leve          | el Nom.            |                    |        |   | 48                            |            |  |  |  |  |
| (at 1 meter)                 |                    |                    |        |   |                               |            |  |  |  |  |
| Power supply                 | Name/Phase/Freque  |                    | Hz/V   |   | V3/1 ~/50/230 / W1/3 ~/50/400 |            |  |  |  |  |
| Current                      | Recommended fuses  |                    | Α      | A 32/16                                       |                               |            |  |  |  |  |

This product contains fluorinated greenhouse gases.

011-1W0493 011-1W0494

## **DAIKIN** altherma

## Daikin Altherma 3 R ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **bivalent** heating, cooling and hot water with thermal solar support

- · Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- · Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- · Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source













R-32



ERLA11-14DV3

ERLA11-14DW1

ERLA-DV37 ERLA-DW17

60 °C

| Efficiency data |                  |           | EBSXB                                     | + ERLA       | 11P30D +<br>11DV/W | 11P50D +<br>11DV/W | 16P30D<br>14DV/ |              | 16P30D +<br>16DV7/W7 | 16P50D +<br>16DV7/W7 |
|-----------------|------------------|-----------|---|--------------|--------------------|--------------------|-----------------|--------------|----------------------|----------------------|
| Space heating   | Average          | General   | SCOP                                      |              |                    | 3.27               |                 | 3.26         | 3                    | .35                  |
| •               | climate<br>water |           | ns (Seasonal space<br>heating efficiency) | %            |                    |                    | 128             |              | 1                    | 31                   |
|                 | outlet 55°       | -         | Seasonal space heatin                     | g eff. class |                    |                    |                 | <b>F</b> :   |                      |                      |
|                 | Average          | General   | SCOP                                      | 9 8          |                    | 4.72               |                 | 4            | 4.68                 |                      |
|                 | climate<br>water |           | ns (Seasonal space heating efficiency)    | %            |                    | 186                |                 |              | 184                  |                      |
|                 | outlet 35°       | 1         | Seasonal space heatin                     | g eff. class | , ji               |                    |                 |              |                      |                      |
| Domestic hot    | General          | Declared  | load profile                              |              | L                  | XL                 | L               | XL           | L                    | XL                   |
| water heating   | Average          | COPdhw    |   |              | 2.73/2.75          | 3.05/3.10          | 2.73/2.7        | 75 3.05/3.10 | 2.73/2.75            | 3.05/3.10            |
|                 | climate          | nwh (wate | er heating efficiency)                    | %            | 115/116            | 126/128            | 115/116         | 126/128      | 115/116              | 126/128              |
|                 |                  | Water hea | ating energy efficien                     | cy class     |                    |                    |                 | <b>#</b> }   |                      |                      |
|                 |                  |           |   |              |                    |                    |                 |              |                      |                      |

| Indoor Unit         |                                  |            |                    | EBSXB | 11P30D        | 11P50D        | 16P30D            | 16P50D              | 16P30D        | 16P50D        |  |  |
|---------------------|----------------------------------|------------|--------------------|-------|---------------|---------------|-------------------|---------------------|---------------|---------------|--|--|
| Casing              | Colour                           |            |                    |       |               | Traffi        | c white (RAL9016) | / Traffic black (RA | AL9017)       |               |  |  |
|                     | Material                         |            |                    |       |               |               | Impact resistar   | t polypropylene     |               |               |  |  |
| Dimensions          | Unit                             |            | HeightxWidthxDepth | mm    | 1,893x594x680 | 1,910x792x817 | 1,893x594x680     | 1,910x792x817       | 1,893x594x680 | 1,910x792x817 |  |  |
| Weight              | Unit                             |            |                    | kg    | 94            | 117           | 94                | 117                 | 94            | 117           |  |  |
| Tank                | Water volu                       | ıme        |                    | Ī     | 294           | 477           | 294               | 477                 | 294           | 477           |  |  |
|                     | Maximum water temperature        |            |                    | °C    |               | 85            |                   |                     |               |               |  |  |
| Operation range     | Heating                          | Ambient    | Min. ~ Max.        | °C    |               |               | -25               | ~ 35                |               |               |  |  |
|                     |                                  | Water side | Min. ~ Max.        | °C    |               |               | 18                | ~ 60                |               |               |  |  |
|                     | Cooling                          | Ambient    | Min. ~ Max.        | °C    |               |               | 10                | ~ 43                |               |               |  |  |
|                     |                                  | Water side | Min. ~ Max.        | °C    |               |               | 5 -               | ~ 22                |               |               |  |  |
|                     | Domestic                         | Ambient    | Min. ~ Max.        | °C    |               |               | -25               | ~35                 |               |               |  |  |
|                     | hot water Water side Min. ~ Max. |            |                    | °C    | -25~35        |               |                   |                     |               |               |  |  |
| Sound power leve    | l Nom.                           |            |                    | dBA   |               |               | 44                | 1.70                |               |               |  |  |
| Sound pressure leve |                                  |            | dBA                | 36.80 |               |               |                   |                     |               |               |  |  |

| Sound pressure leve                                 | el Nom.            |                            | dBA           |          | 36.80                               |            |  |  |  |  |
|---|--------------------|----------------------------|---------------|----------|-------------------------------------|------------|--|--|--|--|
| Outdoor Unit  |                    |                            | ERLA          | 11DV3/W1 | 14DV3/W1                            | 16DV37/W17 |  |  |  |  |
| Dimensions  | Unit               | HeightxWidthxDepth         | mm            |          | 870x1,100x460                       |            |  |  |  |  |
| Weight  | Unit               |                            | kg            |          | 101                                 |            |  |  |  |  |
| Compressor  | Quantity           |                            |               |          | 1                                   |            |  |  |  |  |
|   | Туре               |                            |               | Herme    | etically sealed swing inverter comp | ressor     |  |  |  |  |
| Operation range                                     | Heating            | Min. ~ Max.                | °CDB -25 ~ 35 |          |                                     |            |  |  |  |  |
|   | Cooling            | Min. ~ Max.                | °CDB 10~43    |          |                                     |            |  |  |  |  |
|   | Domestic hot water | Min. ~ Max.                | °CDB          |          | -25 ~ 35                            |            |  |  |  |  |
|   | Type               |                            |               |          | R-32                                |            |  |  |  |  |
|   | GWP                |                            |               |          | 675                                 |            |  |  |  |  |
|   | Charge             |                            | kg            |          | 3.80                                |            |  |  |  |  |
|   | Charge             |                            | TCO2Eq        |          | 2.57                                |            |  |  |  |  |
|   | Control            |                            |               |          | Expansion valve                     |            |  |  |  |  |
| LW(A) Sound powe<br>level (according to<br>EN14825) | r                  | Control Expansion valve 62 |               |          |                                     |            |  |  |  |  |
| Sound pressure leve (at 1 meter)                    | el Nom.            |                            |               | 48       |                                     |            |  |  |  |  |
| Power supply  | Name/Phase/Freque  | ncy/Voltage                | Hz/V          |          | V3/1 ~/50/230 / W1/3 ~/50/400       |            |  |  |  |  |
| Current   | Recommended fuses  |                            | Α             |          | 32/16                               |            |  |  |  |  |

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## Wall mounted unit

This model is the most compact unit for heating and cooling with high flexibility for a quick and easy installation, with an optional connection to domestic hot water.



Wall mounted heating only air-to-water heat pump: ETBH units Wall mounted reversible air-to-water heat pump: ETBX units Example of installation with a stainless steel domestic hot water tank.



Control systems







#### Wall mounted **heating only** air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store



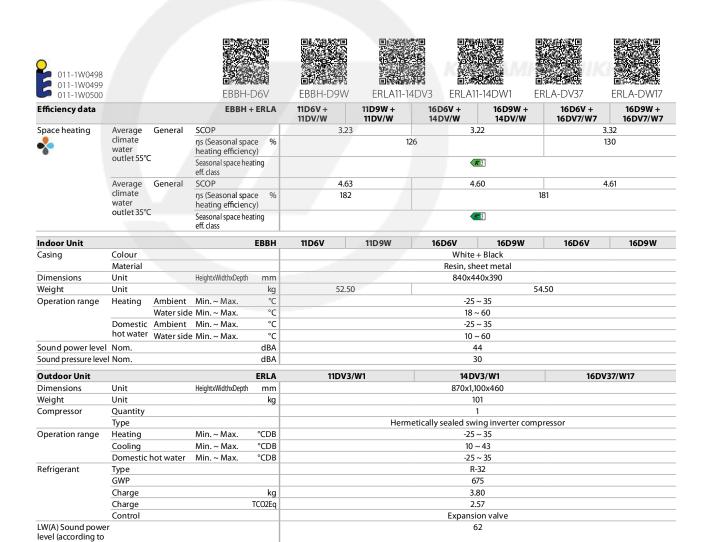




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V3/1 ~/50/230 / W1/3 ~/50/400





This product contains fluorinated greenhouse gases

Name/Phase/Frequency/Voltage

Recommended fuses

Hz/V

Α

EN14825)

(at 1 meter) Power supply

Current

Sound pressure level Nom.



#### Wall mounted reversible air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store























| Efficiency data |                  |         | EBBX + EI                                 | RLA | 11D6V +<br>11DV/W | 11D9W +<br>11DV/W |     | 06V +<br>DV/W | 16D9W +<br>14DV/W | 16D6V +<br>16DV7/W7 | 16D9W +<br>16DV7/W7 |
|-----------------|------------------|---------|---|-----|-------------------|-------------------|-----|---------------|-------------------|---------------------|---------------------|
| Space heating   | Average          | General | SCOP                                      |     | 3.27              |                   |     | 3.26          |                   | 3.3                 | 35                  |
| <b>♣</b>        | climate<br>water | _       | ns (Seasonal space<br>heating efficiency) | %   |                   |                   | 128 |               |                   | 13                  | 1                   |
|                 | outlet 55℃       |         | Seasonal space heating eff. class         |     |                   |                   |     | <b>#</b> [    |                   |                     |                     |
|                 | Average          | General | SCOP                                      |     | 4.72              |                   |     |               | 4.                | 68                  |                     |
|                 | climate<br>water | . /     | ns (Seasonal space<br>heating efficiency) | %   | 186               |                   |     |               | 18                | 34                  |                     |
|                 | outlet 35°       |         | Seasonal space heating eff. class         |     |                   |                   |     | A F           |                   |                     |                     |

| Indoor Unit         |           |            |                    | EBBX | 11D6V       | 11D9W | 16D6V      | 16D9W     | 16D6V | 16D9W |  |
|---------------------|-----------|------------|--------------------|------|-------------|-------|------------|-----------|-------|-------|--|
| Casing              | Colour    |            |                    |      |             |       | White-     | + Black   |       |       |  |
|                     | Material  |            |                    |      |             |       | Resin, she | eet metal |       |       |  |
| Dimensions          | Unit      |            | HeightxWidthxDepth | mm   | 840x440x390 |       |            |           |       |       |  |
| Weight              | Unit      |            |                    | kg   | 52.50 54.50 |       |            |           |       |       |  |
| Operation range     | Heating   | Ambient    | Min. ~ Max.        | °C   | -25 ~ 35    |       |            |           |       |       |  |
|                     |           | Water side | Min. ~ Max.        | °C   | 18 ~ 60     |       |            |           |       |       |  |
|                     | Cooling   | Ambient    | Min. ~ Max.        | °C   |             |       | 10 ~       | · 43      |       |       |  |
|                     |           | Water side | Min. ~ Max.        | °C   |             |       | 5 ~        | 22        |       |       |  |
|                     | Domestic  | Ambient    | Min. ~ Max.        | °C   |             |       | -25 ·      | ~ 35      |       |       |  |
|                     | hot water | Water side | Min. ~ Max.        | °C   | °C 10 ~ 60  |       |            |           |       |       |  |
| Sound power leve    | l Nom.    |            |                    | dBA  |             |       | 4          | 4         |       |       |  |
| Sound pressure leve | el Nom.   |            |                    | dBA  |             |       | 3          | 0         |       |       |  |

| Souria pressure ieve                                 | er nom.            |                    | UDA    | 30  |                               |            |  |  |  |  |
|--|--------------------|--------------------|--------|---|-------------------------------|------------|--|--|--|--|
| Outdoor Unit   |                    |                    | ERLA   | 11DV3/W1                                      | 14DV3/W1                      | 16DV37/W17 |  |  |  |  |
| Dimensions   | Unit               | HeightxWidthxDepth | mm     |   | 870x1,100x460                 |            |  |  |  |  |
| Weight   | Unit               |                    | kg     |   | 101                           |            |  |  |  |  |
| Compressor   | Quantity           |                    |        |   | 1                             |            |  |  |  |  |
|  | Туре               |                    |        | Hermetically sealed swing inverter compressor |                               |            |  |  |  |  |
| Operation range                                      | Heating            | Min. ~ Max.        | °CDB   |   | -25 ~ 35                      |            |  |  |  |  |
|  | Cooling            | Min. ~ Max.        | °CDB   | 10 ~ 43                                       |                               |            |  |  |  |  |
|  | Domestic hot water | Min. ~ Max.        | °CDB   |   | -25 ~ 35                      |            |  |  |  |  |
| Refrigerant  | Туре               |                    |        | R-32  |                               |            |  |  |  |  |
|  | GWP                |                    |        |   | 675                           |            |  |  |  |  |
|  | Charge             |                    | kg     |   | 3.80                          |            |  |  |  |  |
|  | Charge             |                    | TCO2Eq |   | 2.57                          |            |  |  |  |  |
|  | Control            |                    |        |   | Expansion valve               |            |  |  |  |  |
| LW(A) Sound power<br>level (according to<br>EN14825) |                    |                    |        |   | 62                            |            |  |  |  |  |
| Sound pressure leve<br>(at 1 meter)                  | el Nom.            |                    |        |   | 48                            |            |  |  |  |  |
| Power supply   | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |   | V3/1 ~/50/230 / W1/3 ~/50/400 |            |  |  |  |  |
| Current  | Recommended fuses  |                    | Α      | 32/16   |                               |            |  |  |  |  |

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 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



#### 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 or silver-grey
- Compatible with the Onecta app
- Voice control available

#### Daikin Altherma 3 R ECH<sub>2</sub>O

#### Floor standing unit with integrated ECH<sub>3</sub>O 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 Onecta app
- Voice control available







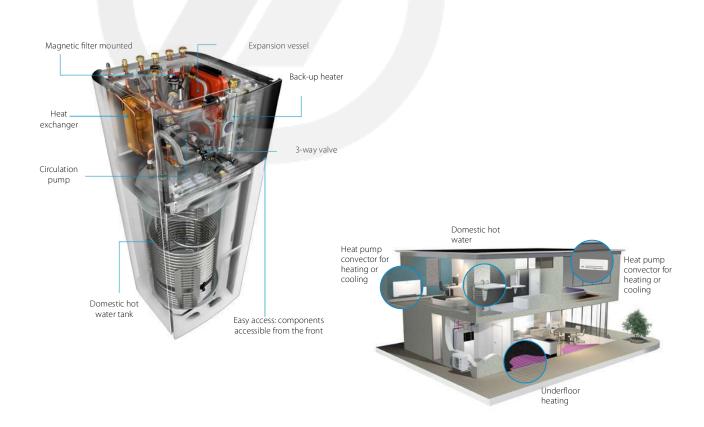


## Floor standing unit with integrated tank

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.



Floor standing air to water heat pump for heating and hot water: EHVH units Floor standing air to water heat pump for heating, cooling and hot water: EHVX units Floor standing unit integrated with different temperature zones management: EHVZ units







#### Floor standing air to water heat pump for heating and hot water; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



























| Efficiency data  |                  |                                       | EHVH+                                     | ERGA       | 04S18E6V<br>+ 04EV | 04S23E6V<br>+ 04EV | 0         | 8S18E6V/9W<br>+ 06EVH | 08S23E6V/9W<br>+ 06EVH | 08S18E6V/9W<br>+ 08EVH7 | 08S23E6VE/9W<br>+ 08EVH7 |
|------------------|------------------|---------------------------------------|---|------------|--------------------|--------------------|-----------|-----------------------|------------------------|-------------------------|--------------------------|
| Heating capacity | Nom.             |                                       |   | kW         | 4.30 (1)           | /4.60 (2)          |           | 6.00 (1)/             | 5.90 (2)               | 7.50 (1).               | /7.80 (2)                |
| Power input      | Heating          | Nom. kW                               |   | 0.850 (1   | )/1.26 (2)         |                    | 1.24 (1)/ | 1.69 (2)              | 1.63 (1)/2.23 (2)      |                         |                          |
| COP              |                  |                                       |   | 100        | 5.10 (1)           | /3.65 (2)          |           | 4.85 (1)/             | 3.50 (2)               | 4.60 (1)                | /3.50 (2)                |
| Space heating    | Average General  |                                       | SCOP                                      |            |                    |                    | 3.26      |                       |                        | 3.                      | 32                       |
| *                | climate<br>water |                                       | ns (Seasonal space % heating efficiency)  |            |                    |                    | 127       |                       |                        | 1:                      | 30                       |
|                  | outlet 55 °C     | C //                                  | Seasonal space heating eff. class         |            |                    |                    |           | (A                    | 1                      |                         |                          |
|                  | Average          | General                               | SCOP                                      |            | 4.                 | 48                 |           | 4.4                   | 47                     | 4.                      | 56                       |
|                  | climate<br>water |                                       | ns (Seasonal space<br>heating efficiency) | %          |                    |                    | 176       |                       |                        | 11                      | 79                       |
|                  | outlet 35 °C     |                                       | Seasonal space heating                    | eff. class |                    |                    |           | <u> </u>              | * [ ]                  |                         |                          |
| Domestic hot     | General          | Declared                              | load profile                              |            | L                  | XL                 |           | L                     | XL                     | L                       | XL                       |
| water heating 🛸  | Average          | ŋwh (wate                             | er heating efficiency)                    | %          | 125                | 133                |           | 125                   | 133                    | 125                     | 133                      |
|                  | climate          | Water heating energy efficiency class |   |            |                    |                    | <u> </u>  | į                     |                        |                         |                          |

| Indoor Unit                   |           |                            | EHVH     | 04S18E6V            | 04S23E6V      | 08518E6V/E9W  | 08S23E6V/E9W  | 08518E6V/E9W  | 08S23E6V/E9W  |  |  |
|-------------------------------|-----------|----------------------------|----------|---------------------|---------------|---------------|---------------|---------------|---------------|--|--|
| Casing                        | Colour    |                            |          |                     |               | White         | + Black       |               |               |  |  |
|                               | Material  |                            |          | Resin / Sheet metal |               |               |               |               |               |  |  |
| Dimensions                    | Unit      | HeightxWidthxDepth         | mm       | 1,650x595x625       | 1,850x595x625 | 1,650x595x625 | 1,850x595x625 | 1,650x595x625 | 1,850x595x625 |  |  |
| Weight                        | Unit      |                            | kg       | 119                 | 128           | 119           | 128           | 119           | 128           |  |  |
| Tank                          | Water vol | ume                        | 1        | 180                 | 230           | 180           | 230           | 180           | 230           |  |  |
|                               | Maximum   | water temperature          | °C       | 70                  |               |               |               |               |               |  |  |
|                               | Maximum   | Maximum water pressure bar |          |                     | 10            |               |               |               |               |  |  |
|                               | Corrosion | protection                 | Pickling |                     |               |               |               |               |               |  |  |
| Operation range               | Heating   | Ambient Min.~Max.          | °C       | 5~30                |               |               |               |               |               |  |  |
|                               |           | Water side Min.~Max.       | °C       |                     |               | 15 -          | ~65           |               |               |  |  |
|                               | Domestic  | Ambient Min.~Max.          | °CDB     |                     |               | 5~            | -35           |               |               |  |  |
|                               | hot water | hot water Water side Max.  |          |                     |               | 7             | 0             |               |               |  |  |
| Sound power level Nom. dBA    |           |                            | dBA      | 42                  |               |               |               |               |               |  |  |
| Sound pressure level Nom. dBA |           |                            | dBA      | 28                  |               |               |               |               |               |  |  |

| Outdoor Unit         |                    |                    | ERGA   | 04EV  | 06EVH                          | 08EVH7 |  |  |  |  |
|----------------------|--------------------|--------------------|--------|-------|--------------------------------|--------|--|--|--|--|
| Dimensions           | Unit               | HeightxWidthxDepth | mm     |       | 740x884x388                    |        |  |  |  |  |
| Weight               | Unit               | -                  | kg     |       | 58.5                           |        |  |  |  |  |
| Compressor           | Quantity           |                    |        |       | 1                              |        |  |  |  |  |
|                      | Туре               |                    |        |       | Hermetically sealed swing comp | ressor |  |  |  |  |
| Operation range      | Cooling            | Min.~Max.          | °CDB   |       | 10~43                          |        |  |  |  |  |
|                      | Domestic hot water | Min.~Max.          | °CDB   |       | -25~35                         |        |  |  |  |  |
| G                    | Type               |                    |        | R-32  |                                |        |  |  |  |  |
|                      | GWP                |                    |        | 675.0 |                                |        |  |  |  |  |
|                      | Charge             |                    | kg     |       | 1.50                           |        |  |  |  |  |
|                      | Charge             |                    | TCO₂Eq |       | 1.01                           |        |  |  |  |  |
|                      | Control            |                    |        |       | Expansion valve                |        |  |  |  |  |
| Sound power level    | Heating            | Nom.               | dBA    | 58    | 60                             | 62     |  |  |  |  |
|                      | Cooling            | Nom.               | dBA    | 61    | 62                             |        |  |  |  |  |
| Sound pressure level | Heating            | Nom.               | dBA    | 44    | 47                             | 49     |  |  |  |  |
|                      | Cooling            | Nom.               | dBA    | 48    | 49                             | 50     |  |  |  |  |
| Power supply         | Name/Phase/Freque  | ncy/Voltage        |        |       |                                |        |  |  |  |  |
| Current              | Recommended fuses  | 3                  | A      | 25    |                                |        |  |  |  |  |

183

Heating

VRV

Marine Industry





Floor standing air to water heat pump for heating, cooling and hot water; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 3, 6, 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25  $^{\circ}\text{C}$
- Compatible with the Onecta app
- Voice control available





























| Efficiency data  | A                 | <i>,</i>  | EHVX+                                     | ERGA       | 04S18E3<br>+ 04 |          | 04S23E3<br>+ 04 |     | 08S18E6V/E9W<br>+ 06EVH | 08S23E6V/E9W<br>+ 06EVH | 08S18E6V/E9W<br>+ 08EVH7 | 08S23E6V/E9W<br>+ 08EVH7 |
|------------------|-------------------|-----------|---|------------|-----------------|----------|-----------------|-----|-------------------------|-------------------------|--------------------------|--------------------------|
| Heating capacity | Nom.              |           |   | kW         |                 | 4.30 (1) | /4.60 (2)       |     | 6.00 (1)                | /5.90 (2)               | 7.50 (1)                 | /7.80 (2)                |
| Power input      | Heating           | Nom.      | A Comment                                 | kW         |                 | 0.850 (1 | )/1.26 (2)      |     | 1.24 (1)                | /1.69 (2)               | 1.63 (1)                 | /2.23 (2)                |
| Cooling capacity | Nom.              |           |   | kW         |                 | 4.86 (1) | /4.52 (2)       |     | 5.96 (1)                | /5.09 (2)               | 6.25 (1)                 | /5.44 (2)                |
| Power input      | Cooling           | Nom.      |   | kW         |                 | 0.810 (1 | )/1.36 (2)      |     | 1.06 (1                 | /1.55 (2)               | 1.16 (1)                 | /1.73 (2)                |
| COP              |                   |           |   |            |                 | 5.10 (1) | /3.65 (2)       |     | 4.85 (1)                | /3.50 (2)               | 4.60 (1)                 | /3.50 (2)                |
| EER              |                   |           |   |            |                 | 5.98 (1) | /3.32 (2)       |     | 5.61 (1)                | /3.28 (2)               | 5.40 (1)                 | /3.14 (2)                |
| Space heating    | ing Average Gener |           | SCOP                                      |            |                 | 3.29     |                 | 3   | .28                     | 3.                      | 35                       |                          |
|                  | climate<br>water  |           | ns (Seasonal space heating efficiency)    | %          |                 | 1.       | 29              |     | 1                       | 28                      | 1.                       | 31                       |
|                  | outlet 55 °C      |           | Seasonal space heating                    | eff. class |                 |          |                 |     |                         | <b>AT</b> 🔋             |                          |                          |
|                  | Average           | General   | SCOP                                      |            |                 | 4.       | .54             |     | 4                       | .52                     | 4.                       | .61                      |
|                  | climate<br>water  |           | ns (Seasonal space<br>heating efficiency) | %          |                 | 17       | 79              |     | 1                       | 78                      | 1:                       | 81                       |
|                  | outlet 35 °C      |           | Seasonal space heating                    | eff. class |                 |          |                 |     |                         | <b>200</b> [3]          |                          |                          |
| Domestic hot     | General           | Declared  | load profile                              |            | L               |          | XL              |     | L L                     | XL                      | L                        | XL                       |
| water heating 🐒  | Average           | ŋwh (wate | r heating efficiency)                     | %          | 127             | 125      | 134             | 133 | 125                     | 133                     | 125                      | 133                      |
|                  | climate           | Water hea | ting energy efficiency                    | y class    |                 |          |                 |     |                         | æ į                     |                          |                          |

| Indoor Unit         |              |                            |           | EHVX  | 04S18E3V/E6V  | 04S23E3V/E6V  | 08S18E6V/E9W  | 08S23E6V/E9W  | 08S18E6V/E9W  | 08S23E6V/E9W  |  |  |
|---------------------|--------------|----------------------------|-----------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--|--|
| Casing              | Colour       |                            |           |       |               |               | White         | + Black       |               |               |  |  |
|                     | Material     |                            |           |       |               |               |               |               |               |               |  |  |
| Dimensions          | Unit         | HeightxWidthxl             | Depth     | mm    | 1,650x595x625 | 1,850x595x625 | 1,650x595x625 | 1,850x595x625 | 1,650x595x625 | 1,850x595x625 |  |  |
| Weight              | Unit         |                            |           | kg    | 119           | 128           | 119           | 128           | 119           | 128           |  |  |
| Tank                | Water volume |                            |           |       | 180           | 230           | 180           | 230           | 180           | 230           |  |  |
|                     | Maximum      | water temp                 | erature   | °C    |               |               | 7             | 0             |               |               |  |  |
|                     | Maximum      | Maximum water pressure bar |           |       |               | 10            |               |               |               |               |  |  |
|                     | Corrosion    | prrosion protection        |           |       | Pickling      |               |               |               |               |               |  |  |
| Operation range     | Heating      | Ambient                    | Min.~Max. | °C    | 5~30          |               |               |               |               |               |  |  |
|                     |              | Water side                 | Min.~Max. | °C    | 15 ~65        |               |               |               |               |               |  |  |
|                     | Cooling      | Ambient                    | Min.~Max. | °CDB  | 5~35          |               |               |               |               |               |  |  |
|                     |              | Water side                 | Min.~Max. | °C    |               |               | 5~            | -22           |               |               |  |  |
|                     | Domestic     | Ambient                    | Min.~Max. | °CDB  |               |               | 5~            | ·35           |               |               |  |  |
|                     | hot water    | Water side                 | Max.      | °C 70 |               |               |               |               |               |               |  |  |
| Sound power level   | Nom.         |                            |           | dBA   | 42            |               |               |               |               |               |  |  |
| Sound pressure leve | l Nom.       |                            |           | dBA   | 28            |               |               |               |               |               |  |  |

| Sound pressure level | Nom.               |                        | aba    |      | 28                                |        |  |  |  |  |
|----------------------|--------------------|------------------------|--------|------|-----------------------------------|--------|--|--|--|--|
| Outdoor Unit         |                    |                        | ERGA   | 04EV | 06EVH                             | 08EVH7 |  |  |  |  |
| Dimensions           | Unit               | HeightxWidthxDepth     | mm     |      | 740x884x388                       |        |  |  |  |  |
| Weight               | Unit               |                        | kg     |      | 58.5                              |        |  |  |  |  |
| Compressor           | Quantity           |                        |        |      | 1                                 |        |  |  |  |  |
|                      | Туре               |                        |        | Н    | ermetically sealed swing compress | or     |  |  |  |  |
| Operation range      | Cooling            | Min.~Max.              | °CDB   |      | 10~43                             |        |  |  |  |  |
|                      | Domestic hot water | Min.~Max.              | °CDB   |      | -25~35                            |        |  |  |  |  |
|                      | Type               |                        |        |      | R-32                              |        |  |  |  |  |
|                      | GWP                |                        |        |      | 675.0                             |        |  |  |  |  |
|                      | Charge             |                        | kg     |      | 1.50                              |        |  |  |  |  |
|                      | Charge             |                        | TCO₂Eq |      | 1.01                              |        |  |  |  |  |
|                      | Control            |                        |        |      | Expansion valve                   |        |  |  |  |  |
| Sound power level    | Heating            | Nom.                   | dBA    | 58   | 60                                | 62     |  |  |  |  |
|                      | Cooling            | Nom.                   | dBA    | 61   | 6                                 | 52     |  |  |  |  |
| Sound pressure level | Heating            | Nom.                   | dBA    | 44   | 47                                | 49     |  |  |  |  |
|                      | Cooling            | Nom.                   | dBA    | 48   | 49                                | 50     |  |  |  |  |
| Power supply         | Name/Phase/Freque  | ncy/Voltage            | Hz/V   |      | V3/1N~/50/230                     |        |  |  |  |  |
| Current              | Recommended fuses  | Recommended fuses A 25 |        |      |                                   |        |  |  |  |  |

## Floor standing integrated with **two different** temperature zones monitoring

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25  $^{\circ}\mathrm{C}$
- Compatible with the Onecta app
- Voice control available























| 5 | 011-1W0218 → 222 |
|---|------------------|

EHVZ-E6V

EHVZ-E9W

ERGA-EV

ERGA-EVH

ERGA-EVH

| Efficiency data  |                       |           | EHVZ+                                     | ERGA                              | 04S18E6V<br>+ 04EV | 08S18E6V/E9W<br>+ 06EVH             | 08S23E6V/E9W<br>+ 06EVH | 08S18E6V/E9W<br>+ 08EVH7 | 08S23E6V/E9W<br>+ 08EVH7 |  |  |
|------------------|-----------------------|-----------|---|-----------------------------------|--------------------|-------------------------------------|-------------------------|--------------------------|--------------------------|--|--|
| Heating capacity | Nom.                  |           |   | kW                                | 4.30 (1)/4.60 (2)  | 4.30 (1)/4.60 (2) 6.00 (1)/5.90 (2) |                         |                          | 7.50 (1)/7.80 (2)        |  |  |
| Power input      | Heating               | Nom.      |   | kW                                | 0.850 (1)/1.26 (2) | 1.24 (1)                            | /1.69 (2)               | 1.63 (1),                | (2.23 (2)                |  |  |
| COP              |                       |           |   | 100                               | 5.10 (1)/3.65 (2)  | 4.85 (1)                            | /3.50 (2)               | 4.60 (1)                 | /3.50 (2)                |  |  |
| Space heating    | Average               | General   | SCOP                                      | 7 7                               |                    | 3.26                                |                         | 3.                       | 32                       |  |  |
| <b>~</b>         | climate<br>water      |           | ns (Seasonal space % heating efficiency)  |                                   | , J                | 127                                 |                         | 13                       | 30                       |  |  |
|                  | outlet 55 °C          | C /       | Seasonal space heating                    | Seasonal space heating eff. class |                    |                                     |                         |                          |                          |  |  |
|                  | Average climate water | General   | SCOP                                      |                                   | 4.48               | 4.                                  | .47                     | 4.                       | 56                       |  |  |
|                  |                       |           | ns (Seasonal space<br>heating efficiency) | %                                 |                    | 176                                 |                         | 17                       | 79                       |  |  |
|                  | outlet 35 °C          |           | Seasonal space heating                    | eff. class                        |                    |                                     | <b>F</b>                |                          |                          |  |  |
| Domestic hot     | General               | Declared  | load profile                              |                                   |                    | L                                   | XL                      | L                        | XL                       |  |  |
| _                | Average               | ŋwh (wate | er heating efficiency)                    | %                                 | 1                  | 25                                  | 133                     | 125                      | 133                      |  |  |
|                  | climate               | Water hea | ating energy efficienc                    | y class                           |                    |                                     | Æ []                    |                          |                          |  |  |

| Indoor Unit                |                               |                     |           | EHVZ | 04S18E6V            | 08S18E6V/E9W | 08S23E6V/E9W  | 08S18E6V/E9W  | 08S23E6V/E9W  |  |  |
|----------------------------|-------------------------------|---------------------|-----------|------|---------------------|--------------|---------------|---------------|---------------|--|--|
| Casing                     | Colour                        |                     |           |      |                     |              | White + Black |               |               |  |  |
| •                          | Material                      |                     |           |      | Resin / Sheet metal |              |               |               |               |  |  |
| Dimensions                 | Unit HeightxWidthxDepth       |                     |           | mm   | 1,650:              | x595x625     | 1,850x595x625 | 1,650x595x625 | 1,850x595x625 |  |  |
| Weight                     | Unit                          |                     |           | kg   |                     | 125          | 133           | 125           | 133           |  |  |
| Tank Water volume          |                               |                     |           | I    |                     | 180          | 230           | 180           | 230           |  |  |
|                            | Maximum water temperature °C  |                     |           |      | 70                  |              |               |               |               |  |  |
|                            | Maximum                       | water pres          | sure      | bar  |                     | 10           |               |               |               |  |  |
|                            | Corrosion protection          |                     |           |      | Pickling            |              |               |               |               |  |  |
| Operation range            | Heating                       | Ambient             | Min.~Max. | °C   | 5~30                |              |               |               |               |  |  |
| ,                          |                               | Water side          | Min.~Max. | °C   |                     |              | 15~65         |               |               |  |  |
|                            | Domestic                      | Ambient             | Min.~Max. | °CDB |                     |              | 5~35          |               |               |  |  |
|                            | hot water                     | ter Water side Max. |           | °C   | 70                  |              |               |               |               |  |  |
| Sound power level Nom. dBA |                               |                     | dBA       | 42   |                     |              |               |               |               |  |  |
| Sound pressure leve        | Sound pressure level Nom. dB/ |                     |           |      | 28                  |              |               |               |               |  |  |

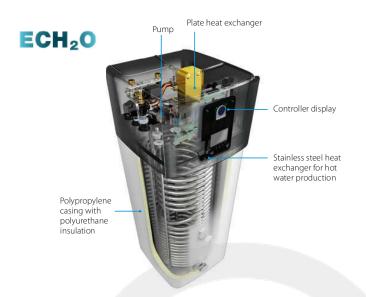
| Outdoor Unit         |                    |                    | ERGA                          | 04EV  | 06EVH                     | 08EVH7     |  |  |  |  |
|----------------------|--------------------|--------------------|-------------------------------|-------|---------------------------|------------|--|--|--|--|
| Dimensions           | Unit               | HeightxWidthxDepth | mm                            |       | 740x884x388               |            |  |  |  |  |
| Weight               | Unit               | •                  | kg                            |       | 58.5                      |            |  |  |  |  |
| Compressor           | Quantity           |                    |                               |       | 1                         |            |  |  |  |  |
|                      | Туре               |                    |                               |       | Hermetically sealed swing | compressor |  |  |  |  |
| Operation range      | Cooling            | Min.~Max.          | °CDB                          |       | 10~43                     | •          |  |  |  |  |
| _                    | Domestic hot water | Min.~Max.          | °CDB                          |       | -25~35                    |            |  |  |  |  |
| G                    | Type               |                    |                               |       | R-32                      |            |  |  |  |  |
|                      | GWP                |                    |                               | 675.0 |                           |            |  |  |  |  |
|                      | Charge             |                    | kg                            | 1.50  |                           |            |  |  |  |  |
|                      | Charge             |                    | TCO₂Eq                        |       | 1.01                      |            |  |  |  |  |
|                      | Control            |                    |                               |       | Expansion valv            | /e         |  |  |  |  |
| Sound power level    | Heating            | Nom.               | dBA                           | 58    | 60                        | 62         |  |  |  |  |
|                      | Cooling            | Nom.               | dBA                           | 61    | 62                        | 2          |  |  |  |  |
| Sound pressure level | l Heating          | Nom.               | dBA                           | 44    | 47                        | 49         |  |  |  |  |
|                      | Cooling            | Nom.               | dBA                           | 48    | 49                        | 50         |  |  |  |  |
| Power supply         | Name/Phase/Freque  | ncy/Voltage        | cy/Voltage Hz/V V3/1N~/50/230 |       |                           |            |  |  |  |  |
| Current              | Recommended fuses  | es A 25            |                               |       |                           |            |  |  |  |  |



Split

VRV

## Floor standing unit with integrated ECH<sub>2</sub>O tank





BLUEVOLUTION

Floor standing air-to-water heat pump for heating and hot water with thermal solar suport: EHSH units Floor standing air-to-water heat pump for bivalent heating and hot water with thermal solar suport: EHSHB units Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar suport: EHSX units Floor standing air-to-water heat pump for bivalent heating, cooling and hot water with thermal solar suport: EHSXB units

#### Pressureless (drain-back) Pressurised solar system solar system (EHSH-E, EHSX-E)

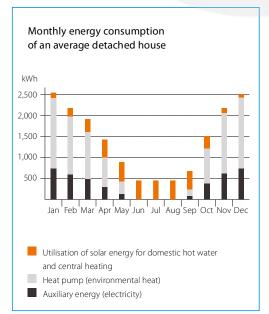
- The solar collectors are only filled with water when sufficient heating is provided by the sun
- The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- After filling, water circulation is maintained by the remaining pump

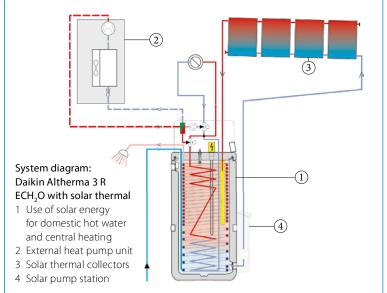
## (EHSHB-E, EHSXB-E)

 System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter

**R-32** 

System is pressurised and sealed









## Daikin Altherma 3 R ECH<sub>2</sub>O

## Floor standing air to water heat pump for **heating** and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump
- Compatible with the Onecta app
- Voice control available







ERGA-EV(H)(7)







Onecta app

(({{\frac{1}{2}}}))

Voice control







**ERGA-EVH** 

EHSH-E



| , 20,            |                  |                                       |  |            |                   |                   |                |   |                 |   |     |
|------------------|------------------|---------------------------------------|--|------------|-------------------|-------------------|----------------|---|-----------------|---|-----|
| Efficiency data  |                  |                                       | EHSH+                                  | ERGA       | 04P30E + 04EV     | 08P30E+06EVH      | 08P50E + 06EVH | 08P30E+08EVH7                             | 08P50E + 08EVH7 |   |     |
| Heating capacity | Nom.             |                                       |  | kW         |                   | 6.00 (1)/5.90 (2) |                | 7.50 (1)                                  | /7.80 (2)       |   |     |
| Power input      | Heating          | Nom.                                  |  | kW         | 0.84 (1)/1.26 (2) | 1.24 (1)          | /1.69 (2)      | 1.63 (1)                                  | /2.23 (2)       |   |     |
| COP              |                  |                                       |  |            | 5.10 (1)/3.65 (2) | 4.85 (1)          | /3.50 (2)      | 4.60 (1)                                  | /3.50 (2)       |   |     |
| Space heating    | Average          | General                               | SCOP                                   |            |                   | 3.26              |                | 3   | .32             |   |     |
| •                | climate<br>water |                                       | ns (Seasonal space heating efficiency) | %          |                   | 127               |                | 130                                       |                 |   |     |
| •                | outlet 55 °C     | : /                                   | Seasonal space heating eff. class      |            |                   |                   | <b>#</b> [     |   |                 |   |     |
|                  | climate<br>water | climate<br>water                      | climate<br>water                       | General    | SCOP              |                   | 4.48           | 4   | .47             | 4 | .56 |
|                  |                  |                                       |  | water      | water             | water             |                | ns (Seasonal space<br>heating efficiency) | %               |   | 176 |
|                  | outlet 35 °C     | _                                     | Seasonal space heating                 | eff. class |                   |                   |                |   |                 |   |     |
| Domestic hot     | General          | Declared                              | load profile                           |            |                   | L                 | XL             | L   | XL              |   |     |
|                  | Average          | ŋwh (wate                             | er heating efficiency)                 | %          | 1                 | 18                | 125            | 118                                       | 125             |   |     |
|                  | climate          | Water heating energy efficiency class |  |            |                   |                   | <b>X</b> }     |   |                 |   |     |

| Indoor Unit      |                                |               |           | EHSH | 04P30E   | 08P30E | 08P50E        | 08P30E        | 08P50E        |  |  |
|------------------|--------------------------------|---------------|-----------|------|--|--------|---------------|---------------|---------------|--|--|
| Casing           | Colour                         |               |           |      | Traffic white (RAL9016) / Traffic black (RAL9017) Impact resistant polypropylene |        |               |               |               |  |  |
|                  | Material                       |               |           |      |  |        |               |               |               |  |  |
| Dimensions       | Unit                           | HeightxWidthx | Depth     | mm   | 1,892x59   | 94x644 | 1,905x792x812 | 1,892x594x644 | 1,905x792x812 |  |  |
| Weight           | Unit                           |               |           | kg   | 7  | 7      | 107           | 77            | 107           |  |  |
| Tank             | Water volu                     | ıme           |           | 1    | 294  |        | 477           | 294           | 477           |  |  |
|                  | Maximum                        | water temp    | perature  | °C   | 85   |        |               |               |               |  |  |
| Operation range  | Heating                        | Ambient       | Min.~Max. | °C   |  | -25~25 |               |               |               |  |  |
|                  |                                | Water side    | Min.~Max. | °C   |  |        | 18~65         |               |               |  |  |
|                  | Domestic                       | Ambient       | Min.~Max. | °CDB |  |        | -25~35        |               |               |  |  |
|                  | hot water Water side Min.~Max. |               |           | °C   | 25~55  |        |               |               |               |  |  |
| Sound power leve | l Nom.                         |               |           | dBA  | 39   |        |               |               |               |  |  |

| Journa power lever Monn. |                              |                    | ubri                | UDA 37                               |             |        |  |
|--------------------------|------------------------------|--------------------|---------------------|--------------------------------------|-------------|--------|--|
| Outdoor Unit             |                              |                    | ERGA                | 04EV                                 | 06EVH       | 08EVH7 |  |
| Dimensions               | Unit                         | HeightxWidthxDepth | mm                  |                                      | 740x884x388 |        |  |
| Weight                   | Unit                         |                    | kg                  |                                      | 58.5        |        |  |
| Compressor               | Quantity                     |                    |                     |                                      | 1           |        |  |
|                          | Туре                         |                    |                     | Hermetically sealed swing compressor |             |        |  |
| Operation range          | Cooling                      | Min.~Max.          | °CDB                | 10.0~43.0                            |             |        |  |
|                          | Domestic hot water           | Min.~Max.          | °CDB                | -25 ~35                              |             |        |  |
| Refrigerant              | Туре                         |                    |                     |                                      | R-32        |        |  |
|                          | GWP                          |                    |                     |                                      | 675.0       |        |  |
|                          | Charge                       |                    | kg                  |                                      | 1.50        |        |  |
|                          | Charge                       |                    | TCO <sub>2</sub> Eq | 1.01                                 |             |        |  |
|                          | Control                      |                    |                     | Expansion valve                      |             |        |  |
| Sound power level        | Heating                      | Nom.               | dBA                 | 58                                   | 60          | 62     |  |
|                          | Cooling                      | Nom.               | dBA                 | 61                                   | 62          |        |  |
| Sound pressure level     | Heating                      | Nom.               | dBA                 | 44                                   | 47          | 49     |  |
|                          | Cooling                      | Nom.               | dBA                 | 48                                   | 49          | 50     |  |
| Power supply             | Name/Phase/Frequency/Voltage |                    |                     | V3/1N~/50/230                        |             |        |  |
| Current                  | Recommended fuses            |                    |                     | 25                                   |             |        |  |
|                          |                              |                    |                     |                                      |             |        |  |

(I) 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). This product contains fluorinated greenhouse gases.

### Daikin Altherma 3 R ECH<sub>2</sub>O

#### Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality
- App control possible for managing heating and hot water operation
- Compatible with the Onecta app
- Voice control available





















| Efficiency data  |                             |                                  | EHSHB+                                    | ERGA                              | 04P30E + 04EV     | 08P30E+06EVH      | 08P50E + 06EVH | 08P30E + 08EVH7   | 08P50E + 08EVH7 |
|------------------|-----------------------------|----------------------------------|---|-----------------------------------|-------------------|-------------------|----------------|-------------------|-----------------|
| Heating capacity | Nom.                        |                                  |   | kW                                | 4.30 (1)/4.60 (2) | 6.00 (1           | )/5.90 (2)     | 7.50 (1)          | /7.80 (2)       |
| Power input      | Heating                     | Nom.                             |   | kW                                | 0.84 (1)/1.26 (2) | 1.24 (1           | /1.69 (2)      | 1.63 (1)/2.23 (2) |                 |
| COP              |                             |                                  |   | - 33                              | 5.10 (1)/3.65 (2) | 4.85 (1)/3.50 (2) |                | 4.60 (1)/3.50 (2) |                 |
| Space heating    | Average                     | General                          | SCOP                                      |                                   |                   | 3.26              |                | 3.                | 32              |
| wate             | climate<br>water            |                                  | ns (Seasonal space<br>heating efficiency) |                                   |                   | 130               |                |                   |                 |
|                  | outlet 55 °C                | -                                | Seasonal space heating                    | eff. class                        |                   |                   | <b>F</b>       |                   |                 |
|                  | Average<br>climate<br>water | General                          | SCOP                                      |                                   | 4.48              | 4                 | .47            | 4.                | 56              |
|                  |                             |                                  | ns (Seasonal space<br>heating efficiency) | %                                 |                   | 176               |                | 17                | 79              |
|                  | outlet 35 °C                | - //                             | Seasonal space heating                    | Seasonal space heating eff. class |                   |                   |                |                   |                 |
| Domestic hot     | General                     | Declared load profile            |   |                                   |                   | L                 | XL             | L                 | XL              |
| water heating 🐃  | Average                     | nwh (water heating efficiency) % |   |                                   | 1                 | 18                | 125            | 118               | 125             |
|                  | climate                     | Water hea                        | nting energy efficiency                   | / class                           |                   |                   | <b>#</b> }     |                   |                 |

| Indoor Unit      |            |                      | EHSHB | 04P30E   | 08P30E | 08P50E | 08P30E | 08P50E |  |  |
|------------------|------------|----------------------|-------|--|--------|--------|--------|--------|--|--|
| Casing           | Colour     |                      |       | Traffic white (RAL9016) / Traffic black (RAL9017)  |        |        |        |        |  |  |
|                  | Material   |                      |       | Impact resistant polypropylene                     |        |        |        |        |  |  |
| Dimensions       | Unit       | HeightxWidthxDepth   | mm    | 1,892x594x644 1,905x792x812 1,892x594x644 1,905x79 |        |        |        |        |  |  |
| Weight           | Unit       |                      | kg    | 7  | 110    |        |        |        |  |  |
| Tank \           | Water volu | ume                  | I     | 2  | 94     | 477    | 294    | 477    |  |  |
|                  | Maximum    | water temperature    | °C    | 85   |        |        |        |        |  |  |
| Operation range  | Heating    | Ambient Min.~Max.    | °C    |  |        | -25~25 | -25~25 |        |  |  |
|                  |            | Water side Min.~Max. | °C    |  |        | 18~65  |        |        |  |  |
|                  | Domestic   | Ambient Min.~Max.    | °CDB  |  |        | -25~35 |        |        |  |  |
|                  | hot water  | Water side Min.~Max. | °C    | C 25~55  |        |        |        |        |  |  |
| Sound power leve | l Nom      |                      | dBA   |  |        | 39     |        |        |  |  |

| Sound power level | Nom.               |                    | dBA    | 39            |                              |           |  |  |  |  |
|-------------------|--------------------|--------------------|--------|---------------|------------------------------|-----------|--|--|--|--|
| Outdoor Unit      |                    |                    | ERGA   | 04EV          | 06EVH                        | 08EVH7    |  |  |  |  |
| Dimensions        | Unit               | HeightxWidthxDepth | mm     | 740x884x388   |                              |           |  |  |  |  |
| Weight            | Unit               |                    | kg     |               | 58.5                         |           |  |  |  |  |
| Compressor        | Quantity           |                    |        |               | 1                            |           |  |  |  |  |
|                   | Туре               |                    |        |               | Hermetically sealed swing co | ompressor |  |  |  |  |
| Operation range   | Cooling            | Min.~Max.          | °CDB   | 10.0~43.0     |                              |           |  |  |  |  |
|                   | Domestic hot water | Min.~Max.          | °CDB   | -25 ~35       |                              |           |  |  |  |  |
| Refrigerant       | Туре               |                    |        |               | R-32                         |           |  |  |  |  |
|                   | GWP                |                    |        | 675.0         |                              |           |  |  |  |  |
|                   | Charge             |                    | kg     | 1.50          |                              |           |  |  |  |  |
|                   | Charge             |                    | TCO₂Eq |               | 1.01                         |           |  |  |  |  |
|                   | Control            |                    |        |               | Expansion valve              |           |  |  |  |  |
| Sound power level | Heating            | Nom.               | dBA    | 58            | 60                           | 62        |  |  |  |  |
|                   | Cooling            | Nom.               | dBA    | 61            |                              | 62        |  |  |  |  |
| Sound pressure    | Heating            | Nom.               | dBA    | 44            | 47                           | 49        |  |  |  |  |
| level             | Cooling            | Nom.               | dBA    | 48            | 49                           | 50        |  |  |  |  |
| Power supply      | Name/Phase/Freque  | ncy/Voltage        | Hz/V   | V3/1N~/50/230 |                              |           |  |  |  |  |
| Current           | Recommended fuses  | •                  | Α      | 25            |                              |           |  |  |  |  |

 $\equiv$ 





### Daikin Altherma 3 R ECH<sub>2</sub>O

#### Floor standing air to water heat pump for **heating**, **cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump
- Compatible with the Onecta app
- Voice control available



011-1W0262 → 267





ERGA-EV(H)(7)







Voice control





FRGA-FV





| Efficiency data  |                                     |           | EHSX +                                    | ERGA       | 04P30E + 04EV | 04P50E + 04EV | 08P30E + 06EVH | 08P50E+06EVH | 08P30E + 08EVH7 | 08P50E + 08EVH7 |
|------------------|-------------------------------------|-----------|---|------------|---------------|---------------|----------------|--------------|-----------------|-----------------|
| Heating capacity | Nom.                                |           |   | kW         | 4.30 (1)/4    | 1.60 (2)      | 6.00 (1)       | /5.90 (2)    | 7.50 (1)        | /7.80 (2)       |
| Power input      | Heating                             | Nom.      |   | kW         | 0.84 (1)/     | 1.26 (2)      | 1.24 (1)       | /1.69 (2)    | 1.63 (1)        | /2.23 (2)       |
| Cooling capacity | Nom.                                |           |   | kW         |               | 4.52 (2)      | 5.96 (1)       | /5.09 (2)    | 6.25 (1)        | /5.44 (2)       |
| Power input      | Cooling                             | Nom.      |   | kW         | 0.81 (1)/1    | 1.36 (2)      | 1.06 (1)       | /1.55 (2)    | 1.16 (1)        | /1.73 (2)       |
| COP              |                                     |           |   |            | 5.10 (1)/3    | 3.65 (2)      | 4.85 (1)       | /3.50 (2)    | 4.60 (1)        | /3.50 (2)       |
| EER              |                                     |           |   |            | 5.98 (1)/3    | 3.32 (2)      | 5.61 (1)       | /3.28 (2)    | 5.40 (1)        | /3.14 (2)       |
| Space heating    | Average                             | General   | SCOP                                      |            | 3.2           | 9             | 3              | .28          | 3               | .35             |
|                  | climate<br>water<br>outlet<br>55 °C |           | ns (Seasonal space heating efficiency)    |            |               | 9             | 1              | 28           | 1               | 31              |
|                  |                                     |           | Seasonal space heating eff. class         |            |               |               | •              | æ į          |                 |                 |
|                  | Average                             | General   | SCOP                                      |            | 4.5           | 4             | 4              | .52          | 4.61            |                 |
|                  | climate<br>water                    |           | ns (Seasonal space<br>heating efficiency) | %          | 179           | 9             | 1              | 78           | 1               | 81              |
|                  | outlet 35 °C                        |           | Seasonal space heating                    | eff. class |               |               |                | <b>A.</b> .  |                 |                 |
| Domestic hot (   | General                             | Declared  | load profile                              |            | L             | XL            | L              | XL           | L               | XL              |
| water heating 🐃  | Average                             | ŋwh (wate | r heating efficiency)                     | %          | 118           | 125           | 118            | 125          | 118             | 125             |
|                  | climate                             | Water hea | ting energy efficiency                    |            |               | •             | Ø j            |              |                 |                 |

| Indoor Unit      |            |                   | EHSX     | 04P30E        | 04P50E  | 08P30E        | 08P50E        | 08P30E        | 08P50E        |  |  |
|------------------|------------|-------------------|----------|---------------|---|---------------|---------------|---------------|---------------|--|--|
| Casing           | Colour     |                   |          |               | Traffic white (RAL9016) / Traffic black (RAL9017) |               |               |               |               |  |  |
| •                | Material   |                   |          |               | Impact resistant polypropylene                    |               |               |               |               |  |  |
| Dimensions       |            |                   |          | 1,892x594x644 | 1,905x792x812                                     | 1,892x594x644 | 1,905x792x812 | 1,892x594x644 | 1,905x792x812 |  |  |
| Weight           | Unit       |                   | kg       | 77            | 107   | 77            | 107           | 77            | 107           |  |  |
| Tank             | Water volu | ume               |          | 294           | 477   | 294           | 477           | 294           | 477           |  |  |
|                  | Maximum    | water temperature | °C       |               | 85  |               |               |               |               |  |  |
|                  | Heating    | Ambient Min.~M    | ax. °C   | -25~25        |   |               |               |               |               |  |  |
|                  |            | Water side Min.~M | ax. °C   | 18~65         |   |               |               |               |               |  |  |
|                  | Cooling    | Ambient Min.~M    | ax. °CDB |               | 10~43   |               |               |               |               |  |  |
|                  |            | Water side Min.~M | ax. °C   |               |   | 5.            | ~22           |               |               |  |  |
|                  | Domestic   | Ambient Min.~M    | ax. °CDB | -25~35        |   |               |               |               |               |  |  |
|                  | hot water  | Water side Min.~M | ax. °C   | 25~55         |   |               |               |               |               |  |  |
| Sound power leve | l Nom.     |                   | dBA      |               |   |               |               |               |               |  |  |

| Outdoor Unit         |                    |                    | ERGA   | 04EV          | 06EVH                                | 08EVH7 |  |  |  |  |
|----------------------|--------------------|--------------------|--------|---------------|--------------------------------------|--------|--|--|--|--|
| Dimensions           | Unit               | HeightxWidthxDepth | mm     |               | 740x884x388                          |        |  |  |  |  |
| Weight               | Unit               |                    | kg     |               | 58.5                                 |        |  |  |  |  |
| Compressor           | Quantity           |                    |        |               | 1                                    |        |  |  |  |  |
|                      | Туре               |                    |        | He            | Hermetically sealed swing compressor |        |  |  |  |  |
| Operation range      | Cooling            | Min.~Max.          | °CDB   |               | 10.0~43.0                            |        |  |  |  |  |
|                      | Domestic hot water | Min.~Max.          | °CDB   | -25 ~35       |                                      |        |  |  |  |  |
| Refrigerant          | Type               |                    |        | R-32          |                                      |        |  |  |  |  |
| GW                   | GWP                |                    |        | 675.0         |                                      |        |  |  |  |  |
|                      | Charge             |                    | kg     | 1.50          |                                      |        |  |  |  |  |
|                      | Charge             |                    | TCO₂Eq | 1.01          |                                      |        |  |  |  |  |
|                      | Control            |                    |        |               | Expansion valve                      |        |  |  |  |  |
| Sound power level    | Heating            | Nom.               | dBA    | 58            | 60                                   | 62     |  |  |  |  |
|                      | Cooling            | Nom.               | dBA    | 61            | 6                                    | 2      |  |  |  |  |
| Sound pressure level | Heating            | Nom.               | dBA    | 44            | 47                                   | 49     |  |  |  |  |
|                      | Cooling            | Nom.               | dBA    | 48            | 49                                   | 50     |  |  |  |  |
| Power supply         | Name/Phase/Freque  | ncy/Voltage        | Hz/V   | V3/1N~/50/230 |                                      |        |  |  |  |  |
| Current              | Recommended fuses  | 1                  | Α      |               | 25                                   |        |  |  |  |  |

(I) 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). This product contains fluorinated greenhouse gases.

# ECH<sub>2</sub>O

Daikin Altherma 3 R

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- Compatible with the Onecta app
- Voice control available

011-1W0262 → 267



















| HSXB-F |  |
|--------|--|

**ERGA-EVH** 

ERGA-EVH7

| Efficiency data  |                  |           | EHSXB -                                   | - ERGA     | 04P30E + 04EV | 04P50E + 04EV | 08P30E + 06EVH | 08P50E + 06EVH | 08P30E + 08EVH7 | 08P50E + 08EVH7 |
|------------------|------------------|-----------|---|------------|---------------|---------------|----------------|----------------|-----------------|-----------------|
| Heating capacity | Nom.             | 1         |   | kW         | 4.30 (1)/     | 4.60 (2)      | 6.00 (1)       | /5.90 (2)      | 7.50 (1)        | /7.80 (2)       |
| Power input      | Heating          | Nom.      |   | kW         | 0.84 (1)      | 1.26 (2)      | 1.24 (1)       | /1.69 (2)      | 1.63 (1).       | /2.23 (2)       |
| Cooling capacity | Nom.             |           |   | kW         | 4.86 (1)      | 4.52 (2)      | 5.96 (1)       | /5.09 (2)      | 6.25 (1)        | /5.44 (2)       |
| Power input      | Cooling          | Nom.      |   | kW         | 0.81 (1)/     | 1.36 (2)      | 1.06 (1)       | /1.55 (2)      | 1.16 (1)        | /1.73 (2)       |
| COP              |                  |           |   |            | 5.10 (1)/     | 3.65 (2)      | 4.85 (1)       | /3.50 (2)      | 4.60 (1)        | /3.50 (2)       |
| EER              |                  |           |   |            | 5.98 (1)/     | 3.32 (2)      | 5.61 (1)       | /3.28 (2)      | 5.40 (1)        | /3.14 (2)       |
| Space heating    | Average          | General   | SCOP                                      |            | 3.2           | 29            | 3              | .28            | 3.              | .35             |
| cl<br>w          | climate<br>water |           | ns (Seasonal space heating efficiency)    | %          | 12            | 9             | 1              | 28             | 1               | 31              |
|                  | outlet<br>55°C   |           | Seasonal space heating eff. class         |            |               |               | <b>(</b>       |                |                 |                 |
|                  | Average          | General   | SCOP                                      |            | 4.:           | 54            | 4              | .52            | 4               | .61             |
|                  | climate<br>water |           | ns (Seasonal space<br>heating efficiency) | %          | 17            | 9             | 1              | 78             | 1               | 81              |
|                  | outlet 35 °C     |           | Seasonal space heating                    | eff. class |               |               |                | <b>(C.</b> §   |                 |                 |
| Domestic hot     | General          | Declared  | load profile                              |            | L             | XL            | L              | XL             | L               | XL              |
| water heating 📸  | Average          | ŋwh (wate | er heating efficiency)                    | %          | 118           | 125           | 118            | 125            | 118             | 125             |
|                  | climate          | Water hea | iting energy efficien                     | cy class   |               |               | •              | <b>X</b> :     |                 |                 |

| Indoor Unit       |                           |                     |           | EHSXB | 04P30E        | 04P50E                         | 08P30E            | 08P50E              | 08P30E        | 08P50E        |  |  |
|-------------------|---------------------------|---------------------|-----------|-------|---------------|--------------------------------|-------------------|---------------------|---------------|---------------|--|--|
| Casing            | Colour                    |                     |           |       |               | Traffi                         | c white (RAL9016) | / Traffic black (R/ | AL9017)       |               |  |  |
|                   | Material                  |                     |           |       |               | Impact resistant polypropylene |                   |                     |               |               |  |  |
| Dimensions        | Unit                      | HeightxWidthx       | Depth     | mm    | 1,892x594x644 | 1,905x792x812                  | 1,892x594x644     | 1,905x792x812       | 1,892x594x644 | 1,905x792x812 |  |  |
| Weight            | Unit                      |                     |           | kg    | 79            | 110                            | 79                | 110                 | 79            | 110           |  |  |
| Tank              | Water volu                | Water volume        |           |       | 294           | 477                            | 294               | 477                 | 294           | 477           |  |  |
|                   | Maximum water temperature |                     |           | °C    | 85            |                                |                   |                     |               |               |  |  |
| Operation range   | Heating Ambient Min.~Max. |                     |           | °C    | -25~25        |                                |                   |                     |               |               |  |  |
|                   |                           | Water side Min.~Max |           |       |               | 18~65                          |                   |                     |               |               |  |  |
|                   | Cooling                   | Ambient             | Min.~Max. | °CDB  |               |                                | 10                | ~43                 |               |               |  |  |
|                   |                           | Water side          | Min.~Max. | °C    |               |                                | 5-                | ~22                 |               |               |  |  |
|                   | Domestic                  | Ambient             | Min.~Max. | °CDB  | -25~35        |                                |                   |                     |               |               |  |  |
|                   | hot water                 | Water side          | Min.~Max. | °C    | 25~55         |                                |                   |                     |               |               |  |  |
| Sound power level | Nom.                      |                     |           | dBA   |               |                                |                   | 39                  |               |               |  |  |

| Outdoor Unit         |                              |                        | ERGA   | 04EV          | 06EVH                                | 08EVH7 |  |  |  |  |
|----------------------|------------------------------|------------------------|--------|---------------|--------------------------------------|--------|--|--|--|--|
| Dimensions           | Unit                         | HeightxWidthxDepth     | mm     | 740x884x388   |                                      |        |  |  |  |  |
| Weight               | Unit                         |                        | kg     | 58.5          |                                      |        |  |  |  |  |
| Compressor           | Quantity                     |                        |        | 1             |                                      |        |  |  |  |  |
|                      | Туре                         |                        |        | He            | Hermetically sealed swing compressor |        |  |  |  |  |
| Operation range      | Cooling                      | Min.~Max.              | °CDB   |               | 10.0~43.0                            |        |  |  |  |  |
|                      | Domestic hot water           | Min.~Max.              | °CDB   | -25 ~35       |                                      |        |  |  |  |  |
| Refrigerant          | Туре                         |                        |        | R-32          |                                      |        |  |  |  |  |
| G                    | GWP                          |                        |        | 675.0         |                                      |        |  |  |  |  |
|                      | Charge                       |                        | kg     | 1.50          |                                      |        |  |  |  |  |
|                      | Charge                       |                        | TCO₂Eq |               | 1.01                                 |        |  |  |  |  |
|                      | Control                      |                        |        |               | Expansion valve                      |        |  |  |  |  |
| Sound power level    | Heating                      | Nom.                   | dBA    | 58            | 60                                   | 62     |  |  |  |  |
|                      | Cooling                      | Nom.                   | dBA    | 61            | 6                                    | 52     |  |  |  |  |
| Sound pressure level | l Heating                    | Nom.                   | dBA    | 44            | 47                                   | 49     |  |  |  |  |
|                      | Cooling                      | Nom.                   | dBA    | 48            | 49                                   | 50     |  |  |  |  |
| Power supply         | Name/Phase/Frequency/Voltage |                        |        | V3/1N~/50/230 |                                      |        |  |  |  |  |
| Current              | Recommended fuses            | Recommended fuses A 25 |        |               |                                      |        |  |  |  |  |



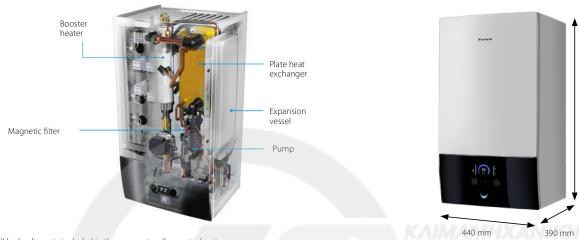






#### Wall mounted unit

This model is the most compact unit for heating and cooling with high flexibility for a quick and easy installation, with an optional connection to domestic hot water.



All hydraulic parts included in the compact wall mounted unit.

Wall mounted heating only air-to-water heat pump: EHBH units Wall mounted reversible air-to-water heat pump: EHBX units



Control systems







#### Daikin Altherma 3 R W

#### Wall mounted **heating only** air-to-water heat pump ideal for low energy houses

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available





















**ERGA-EVH** 



| Efficiency data  |                  |         | EHBH+I                                    | ERGA       | 04E6V             | + 04EV   | 08E6V + 06        | EVH      | 08E9W + 06EVH | 08E6V + 08EVH7    | 08E9W + 08EVH7 |
|------------------|------------------|---------|---|------------|-------------------|----------|-------------------|----------|---------------|-------------------|----------------|
| Heating capacity | Nom.             |         |   | kW         | 4.30 (1)/         | 4.60 (2) |                   | 6.00 (1) | /5.90 (2)     | 7.50 (1)/7.80 (2) |                |
| Power input      | Heating          | Nom.    |   | kW         | 0.85 (1)          | 1.26 (2) |                   | 1.24 (1) | /1.69 (2)     | 1.63 (1)          | /2.23 (2)      |
| COP              |                  |         |   |            | 5.10 (1)/3.65 (2) |          | 4.85 (1)/3.50 (2) |          | /3.50 (2)     | 4.60 (1)          | /3.50 (2)      |
| Space heating    | Average General  |         | SCOP                                      |            |                   |          | 3.26              |          |               | 3.32              |                |
| •                | climate<br>water |         | ns (Seasonal space<br>heating efficiency) | %          | 3444              |          | 127               |          |               | 1:                | 30             |
|                  | outlet 55 °      | C       | Seasonal space heating eff. class         |            |                   |          |                   |          | <b>(F</b> )   |                   |                |
|                  | Average          | General | SCOP                                      |            | 4.4               | 18       | 1                 | 4        | .47           | 4.                | 56             |
| V                | climate<br>water |         | ns (Seasonal space<br>heating efficiency) | %          |                   |          | 176               | 51.      |               | 11                | 79             |
|                  | outlet 35 °C     |         | Seasonal space heating e                  | eff. class |                   |          |                   |          | <b>E</b>      |                   |                |

| Indoor Unit         |                       |                      | EHBH | 04E6V  | 08E6V | 08E9W              | 08E6V | 08E9W |  |
|---------------------|-----------------------|----------------------|------|--------|-------|--------------------|-------|-------|--|
| Casing              | Colour                |                      |      |        |       | White + Black      |       |       |  |
|                     | Material              |                      |      |        |       | Resin, sheet metal |       |       |  |
| Dimensions          | Unit                  | HeightxWidthxDepth   | mm   |        |       | 840x440x390        |       |       |  |
| Weight              | Unit                  |                      | kg   | 42.0   |       | 42.4               | 42.0  | 42.4  |  |
| Operation range     | Heating               | Water side Min.~Max. | °C   |        |       | 15 ~65             |       |       |  |
|                     | Domestic<br>hot water | Water side Min.~Max. | °C   |        |       | 25~75              |       |       |  |
| Sound power leve    | l Nom.                |                      | dBA  |        |       | 42                 |       |       |  |
| Sound pressure leve | el Nom.               |                      | dBA  | dBA 28 |       |                    |       |       |  |

| Sound pressure level | Nom.               |                    | dBA                 |        | 28                           |          |  |  |  |  |  |
|----------------------|--------------------|--------------------|---------------------|--------|------------------------------|----------|--|--|--|--|--|
| Outdoor Unit         |                    |                    | ERGA                | 04EV   | 06EVH                        | 08EVH7   |  |  |  |  |  |
| Dimensions           | Unit               | HeightxWidthxDepth | mm                  |        | 740x884x388                  |          |  |  |  |  |  |
| Weight               | Unit               |                    | kg                  |        | 58.5                         |          |  |  |  |  |  |
| Compressor           | Quantity           |                    |                     |        | 1                            |          |  |  |  |  |  |
|                      | Туре               |                    |                     |        | Hermetically sealed swing co | mpressor |  |  |  |  |  |
| Operation range      | Cooling            | Min.~Max.          | °CDB                | 10~43  |                              |          |  |  |  |  |  |
|                      | Domestic hot water | Min.~Max.          | °CDB                | -25~35 |                              |          |  |  |  |  |  |
| Refrigerant          | Туре               |                    |                     | R-32   |                              |          |  |  |  |  |  |
|                      | GWP                |                    |                     | 675.0  |                              |          |  |  |  |  |  |
|                      | Charge             |                    | kg                  | 1.50   |                              |          |  |  |  |  |  |
|                      | Charge             |                    | TCO <sub>2</sub> Eq |        | 1.01                         |          |  |  |  |  |  |
|                      | Control            |                    |                     |        | Expansion valve              |          |  |  |  |  |  |
| Sound power level    | Heating            | Nom.               | dBA                 | 58     | 60                           | 62       |  |  |  |  |  |
|                      | Cooling            | Nom.               | dBA                 | 61     |                              | 62       |  |  |  |  |  |
| Sound pressure level | Heating            | Nom.               | dBA                 | 44     | 47                           | 49       |  |  |  |  |  |
|                      | Cooling            | Nom.               | dBA                 | 48     | 49                           | 50       |  |  |  |  |  |
| Power supply         | Name/Phase/Freque  | ncy/Voltage        | Hz/V                |        | V3/1N~/50/230                |          |  |  |  |  |  |
| Current              | Recommended fuses  | 1                  | Α                   |        | 25                           |          |  |  |  |  |  |

(I) 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). This product contains fluorinated greenhouse gases.

#### Daikin Altherma 3 R W

Wall mounted reversible air-to-water heat pump ideal for low energy houses

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances

SCOP

ns (Seasonal space

heating efficiency)

General

- Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app

Average

climate

outlet 35 °C

Voice control available







4 52

178









454

179







4 61

181



|                  |                  |         |   |            | 2.10/1201          | LI IDI C LI II | 21107121      | 2110/12111     | 2110/12111     |
|------------------|------------------|---------|---|------------|--------------------|----------------|---------------|----------------|----------------|
| Efficiency data  |                  |         | EHBX +                                    | ERGA       | 04E6V + 04EV       | 08E6V + 06EVH  | 08E9W + 06EVH | 08E6V + 08EVH7 | 08E9W + 08EVH7 |
| Heating capacity | Nom.             |         |   | kW         | 4.30 (1)/4.60 (2)  | 6.00 (1)       | /5.90 (2)     | 7.50 (1)       | /7.80 (2)      |
| Power input      | Heating          | Nom.    |   | kW         | 0.850 (1)/1.26 (2) | 1.24 (1)       | /1.69 (2)     | 1.63 (1)       | /2.23 (2)      |
| Cooling capacity | Nom.             |         |   | kW         | 4.86 (1)/4.52 (2)  | 5.96 (1)       | /5.09 (2)     | 6.25 (1),      | /5.44 (2)      |
| Power input      | Cooling          | Nom.    |   | kW         | 0.810 (1)/1.36 (2) | 1.06 (1)       | /1.55 (2)     | 1.16 (1),      | /1.73 (2)      |
| COP              |                  |         |   |            | 5.10 (1)/3.65 (2)  | 4.85 (1)       | /3.50 (2)     | 4.60 (1)       | /3.50 (2)      |
| EER              |                  |         |   |            | 5.98 (1)/3.32 (2)  | 5.61 (1)       | /3.28 (2)     | 5.40 (1)       | /3.14 (2)      |
| Space heating    | Average          | General | SCOP                                      |            | 3.29               | 3              | .28           | 3.             | 35             |
| ♣                | climate<br>water | ater    | ns (Seasonal space<br>heating efficiency) | %          | 129                | 128            |               | 1.             | 31             |
|                  | outlet 55 °C     |         | Seasonal space heating e                  | eff. class |                    |                | <b>(5)</b>    |                |                |

|                  |                       | Seasonal space he    | ating eff. class |       |       |                    |       |       |
|------------------|-----------------------|----------------------|------------------|-------|-------|--------------------|-------|-------|
| Indoor Unit      |                       |                      | EHBX             | 04E6V | 08E6V | 08E9W              | 08E6V | 08E9W |
| Casing           | Colour                |                      |                  |       |       | White + Black      |       |       |
|                  | Material              |                      |                  |       |       | Resin, sheet metal |       |       |
| Dimensions       | Unit                  | HeightxWidthxDepth   | mm               |       |       | 840x440x390        |       |       |
| Weight           | Unit                  |                      | kg               |       | 42.0  | 42.4               | 42.0  | 42.4  |
| Operation range  | Heating               | Water side Min.~Max. | °C               |       |       | 15 ~65             |       |       |
|                  | Domestic<br>hot water | Water side Min.~Max. | °C               |       |       | 25~75              |       |       |
| Sound power leve | I Nom.                |                      | dBA              |       |       | 42                 |       |       |
|                  |                       |                      |                  |       |       |                    |       |       |

| Sound pressure level | Nom.               |                    | dBA    |       | 28                            |         |  |  |  |  |  |
|----------------------|--------------------|--------------------|--------|-------|-------------------------------|---------|--|--|--|--|--|
| Outdoor Unit         |                    |                    | ERGA   | 04EV  | 06EVH                         | 08EVH7  |  |  |  |  |  |
| Dimensions           | Unit               | HeightxWidthxDepth | mm     |       | 740x884x388                   |         |  |  |  |  |  |
| Weight               | Unit               |                    | kg     |       | 58.5                          |         |  |  |  |  |  |
| Compressor           | Quantity           |                    |        |       | 1                             |         |  |  |  |  |  |
|                      | Туре               |                    |        |       | Hermetically sealed swing com | pressor |  |  |  |  |  |
| Operation range      | Cooling            | Min.~Max.          | °CDB   |       | 10~43                         |         |  |  |  |  |  |
|                      | Domestic hot water | Min.~Max.          | °CDB   |       | -25~35                        |         |  |  |  |  |  |
| _                    | Туре               |                    |        | R-32  |                               |         |  |  |  |  |  |
|                      | GWP                |                    |        | 675.0 |                               |         |  |  |  |  |  |
|                      | Charge             |                    | kg     | 1.50  |                               |         |  |  |  |  |  |
|                      | Charge             |                    | TCO₂Eq | 1.01  |                               |         |  |  |  |  |  |
|                      | Control            |                    |        |       | Expansion valve               |         |  |  |  |  |  |
| Sound power level    | Heating            | Nom.               | dBA    | 58    | 60                            | 62      |  |  |  |  |  |
|                      | Cooling            | Nom.               | dBA    | 61    | 62                            |         |  |  |  |  |  |
| Sound pressure level | Heating            | Nom.               | dBA    | 44    | 47                            | 49      |  |  |  |  |  |
|                      | Cooling            | Nom.               | dBA    | 48    | 49                            | 50      |  |  |  |  |  |
| Power supply         | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |       | V3/1N~/50/230                 |         |  |  |  |  |  |
| Current              | Recommended fuses  | <b>.</b>           | Α      |       | 25                            |         |  |  |  |  |  |





#### Daikin Altherma 3 R MT F

Floor standing air to water heat pump for **heating** and hot water, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- · The unit's sleek design blends in with other household appliances























| Efficiency data |   |                                       | ELVH +                                    | ERRA | 12S18E6V/9W +<br>08EW1 | 12S23E6V/9W<br>08EW1 | + 12S18E6V/9<br>10EW1 | W + 12S23E6V/9W -<br>10EW1 | + 12S18E6V/9W +<br>12EW1 | 12S23E6V/9W +<br>12EW1 |  |
|-----------------|---|---------------------------------------|---|------|------------------------|----------------------|-----------------------|----------------------------|--------------------------|------------------------|--|
| Space heating   | Average                                     | General                               | SCOP                                      |      | 3.                     | 42                   |                       | 3.43                       | 3                        | .53                    |  |
| <b>*</b>        | climate<br>water                            |                                       | ns (Seasonal space<br>heating efficiency) | %    |                        | 4                    | 134                   |                            | 1                        | 38                     |  |
|                 | outlet 55 ℃                                 |                                       | Seasonal space heating eff. class         |      |                        |                      |                       | <b>#</b> }                 |                          |                        |  |
|                 | Average<br>climate<br>water<br>outlet 35 °C | General                               | SCOP                                      |      | 4.                     | .81                  |                       | 4.84                       |                          |                        |  |
|                 |   |                                       | ns (Seasonal space heating efficiency)    | %    | 19                     | 90                   |                       |                            | 191                      |                        |  |
|                 |   |                                       | Seasonal space heating eff. class         |      |                        |                      |                       |                            |                          |                        |  |
| Domestic hot    | General                                     | Declared                              | load profile                              |      |                        |                      |                       | L                          |                          |                        |  |
| water heating   | Average climate                             | COP                                   |   | dhw  | 2.8                    | 3.05                 | 2.8                   | 3.05                       | 2.8                      | 3.05                   |  |
|                 |   | nwh (wate                             | r heating efficiency)                     | %    | 120                    | 130                  | 120                   | 130                        | 120                      | 130                    |  |
| -0              |   | Water heating energy efficiency class |   |      |                        | 1                    |                       | (A)                        |                          |                        |  |

| Indoor Unit                  |            |            |                    | ELVH | 12S18E6V/9W   | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W   |  |  |
|------------------------------|------------|------------|--------------------|------|---------------|---------------|---------------|---------------|---------------|---------------|--|--|
| Casing                       | Colour     |            |                    |      |               | White + Black |               |               |               |               |  |  |
|                              | Material   |            |                    |      |               |               | Precoated     | sheet metal   |               |               |  |  |
| Dimensions                   | Unit       |            | HeightxWidthxDepth | mm   | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 |  |  |
| Weight                       | Unit       |            |                    | kg   | 120           | 129           | 120           | 129           | 120           | 129           |  |  |
| Tank                         | Water volu | ıme        |                    | Ī    | 180           | 230           | 180           | 230           | 180           | 230           |  |  |
| N                            | Maximum    | water temp | erature            | °C   | 70            |               |               |               |               |               |  |  |
|                              | Maximum    | water pres | ure                | bar  | 10            |               |               |               |               |               |  |  |
|                              | Corrosion  | protection |                    |      | Pickling      |               |               |               |               |               |  |  |
| Operation range              | Heating    | Ambient    | Min.~Max.          | °C   | -25 ~ 25      |               |               |               |               |               |  |  |
| -                            | _          | Water side | Min.~Max.          | °C   |               |               | 15 -          | ~ 65          |               |               |  |  |
|                              | Domestic   | Ambient    | Min.~Max.          | °C   | -25 ~ 35      |               |               |               |               |               |  |  |
|                              | hot water  | Water side | Min.~Max.          | °C   |               |               | 25 -          | ~ 62          |               |               |  |  |
| ound power level Nom. dB/    |            |            | dBA                | 44   |               |               |               |               |               |               |  |  |
| ound pressure level Nom. dBA |            |            | A 30               |      |               |               |               |               |               |               |  |  |

| el Nom.  |   | dBA  |   |  |  |  |  |  |  |  |
|--|---|--|---|--|--|--|--|--|--|--|
|  |   | ERRA   | 08EW1   | 10EW1  | 12EW1  |  |  |  |  |  |
| Unit   | HeightxWidthxDepth  | mm   |   | 1,003x1,270x533  |  |  |  |  |  |  |
| Unit   |   | kg   |   | 107  |  |  |  |  |  |  |
| Quantity   |   |  |   | 1  |  |  |  |  |  |  |
| Туре   |   |  | Hermetically sealed swing compressor  |  |  |  |  |  |  |  |
| Heating  | Min.~Max.   | Min.~Max. °CDB -25 ~ 25  |   |  |  |  |  |  |  |  |
| Cooling  | Min.~Max.   | °CDB   |   | 10 ~ 43  |  |  |  |  |  |  |
| Domestic hot water                                   | Min.~Max.   | °CDB   | -25 ~ 35  |  |  |  |  |  |  |  |
| Type   |   |  |   | R-32   |  |  |  |  |  |  |
| GWP  |   |  |   | 675  |  |  |  |  |  |  |
| Charge   |   | kg   |   | 3.25   |  |  |  |  |  |  |
| Charge   |   | TCO2Eq   |   | 2.19   |  |  |  |  |  |  |
| Control  |   |  |   | Expansion valve  |  |  |  |  |  |  |
| CONTROI  W(A) Sound power level ccording to EN14825) |   |  | 56  |  |  |  |  |  |  |  |
| el Nom.  |   |  | 41.1  |  |  |  |  |  |  |  |
| Name/Phase/Freque                                    | ncy/Voltage   | Hz/V   |   | W1/3~/50/400   |  |  |  |  |  |  |
| Recommended fuses                                    | •   | Α  |   | 16   |  |  |  |  |  |  |
|  | Unit Unit Quantity Type Heating Cooling Domestic hot water Type GWP Charge Charge Control | Unit HeightxWidthxDepth Unit Quantity Type Heating Min.~Max. Cooling Min.~Max. Domestic hot water Type GWP Charge Charge Control | Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Cooling Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TC02Eq Control | ERRA 08EW1  Unit HeightxWidthxDepth mm Unit kg Quantity Type | Lonit         Heightx/WidthxDepth         mm         1,003x1,270x533           Unit         kg         107           Quantity         1         1           Type         Hermetically sealed swing compressed           Heating         Min.~Max.         °CDB           Cooling         Min.~Max.         °CDB           Domestic hot water         Min.~Max.         °CDB           Type         R-32           GWP         675           Charge         kg         3.25           Charge         TCO2Eq         2.19           Control         Expansion valve           Ell         Nom.         41.1           Name/Phase/Frequency/Voltage         Hz/V         W1/3~/50/400 |  |  |  |  |  |

011-1W0651 011-1W0652 011-1W0653 011-1W0654 011-1W0655

VRV

#### Daikin Altherma 3 R MT F

Floor standing air to water heat pump for **heating** and hot water, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- · The unit's sleek design blends in with other household appliances





















|                  |  |  |  |  |  |  | ELVH-  | -E6V EL  | VH-E9W E   | RRA08-12EW1  |
|------------------|--|--|--|--|--|--|--|--|--|--|
|                  |  | A.   | LVH + ERRA   | 12518E6V/9W + 08EV3  | 12S23E6V/9V<br>08EV3   | V + 12   | S18E6V/9W +<br>10EV3   | 12S23E6V/9W+<br>10EV3  | 12S18E6V/9W +<br>12EV3   | 12S23E6V/9W +<br>12EV3   |
| Average          | General  | SCOP   |  |  |  | 3.34   |  |  | 3.   | 44   |
| climate<br>water |  |  |  | 13   | 30   |  | 13   | 31   | 1:   | 35   |
| outlet 55 ℃      |  | Seasonal space heating eff. class                              |  |  |  |  | (A   | T E  |  |  |
| Average          |  | SCOP   |  | 4.   | 69   |  |  | 4  | .71  |  |
| climate<br>water |  |  |  | 18   | 34   |  | 186  |  |  |  |
| outlet 35 °C     |  | Seasonal space   | heating eff. class   |  |  |  | <u> </u>   | T I  |  |  |
|                  | climate<br>water<br>outlet 55 °<br>Average<br>climate<br>water<br>outlet 35 °C | climate water outlet 55 °C  Average Climate water outlet 35 °C | Average climate water outlet 55 °C General climate  Average climate Seasonal space  Average General climate space space water ns (Seasonal space space)  Outlet 35 °C Seasonal space | Average climate water outlet 55 °C Scop heating efficiency)  Average climate Scop heating efficiency)  Average climate Scop heating efficiency Seasonal space heating eff. class Scop ns (Seasonal space % heating efficiency)  Outlet 35 °C Seasonal space heating efficiency Seasonal space heating eff. class | Average climate water outlet 55 °C Scasonal space heating efficiency)  Average climate water outlet 55 °C Seasonal space heating efficiency)  Average climate water heating efficiency)  Outlet 35 °C Scasonal space heating efficiency)  Outlet 35 °C Scasonal space heating efficiency)  Seasonal space heating efficiency | Average climate water outlet 55 °C Scasonal space heating efficiency)  Average climate water outlet 55 °C Seasonal space heating efficiency)  Average climate water for the string efficiency outlet 35 °C Seasonal space heating efficiency)  Outlet 35 °C Scasonal space heating efficiency)  Seasonal space heating efficiency outlet 35 °C Seasonal space heating efficiency | Average climate psice of the property of the psice of the | Average   General   SCOP   Seasonal space   heating efficiency   ScoP   ScoP   ScopP   Seasonal space   heating efficiency   Heating efficiency   Heating efficiency   Heating efficiency   Heating efficiency   Seasonal space   Heating efficiency   H | Average   General   SCOP   Seasonal space   heating efficiency)   Seasonal space   water   ng (Seasonal space heating efficiency)   Seasonal space   ng (Seasonal space heating efficiency)   Seasonal space   ng (Seasonal space heating efficiency)   Seasonal space heating efficiency   Seasonal space   130   131 | Average   General climate   water   outlet 55 °C   SCOP   4.69   4.71   climate   water   outlet 35 °C   Scop   4.69   4.71   climate   water   outlet 35 °C   Seasonal space   heating efficiency)   Seasonal space   heating efficiency)   Seasonal space   Scop   4.69   4.71   climate   water   outlet 35 °C   Seasonal space   Scop   4.69   4.71   climate   water   Scop   Seasonal space   heating efficiency)   Seasonal space   Scop   4.69   4.71   climate   water   Scop   Seasonal space   Scop   Seasonal space   Scop   Seasonal space   Scop   4.69   4.71   climate   water   Scop   Seasonal space   Scop   Scop |

|               | climate<br>water |            | ns (Seasonal space heating efficiency) | %          | 1:            | 84            |               | 18                    | 36            |               |  |
|---------------|------------------|------------|--|------------|---------------|---------------|---------------|-----------------------|---------------|---------------|--|
|               | outlet 35 °C     | - <u>A</u> | Seasonal space heating                 | eff. class |               |               | 4             | <b>7</b> 🐔            |               |               |  |
| Domestic hot  | General          | Declared   | load profile                           |            |               |               |               | L                     |               |               |  |
| water heating | Average          | COP        |  | dhw        | 2.72          | 2.96          | 2.72          | 2.96                  | 2.72          | 2.96          |  |
| <b>♣</b>      | climate          | ŋwh (wate  | er heating efficiency)                 | %          | 117           | 126           | 117           | 126                   | 117           | 126           |  |
| 0             |                  | Water he   | ating energy efficien                  | cy class   |               |               |               | R (                   |               |               |  |
| Indoor Unit   |                  |            |  | ELVH       | 12S18E6V/9W   | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W           | 12S18E6V/9W   | 12S23E6V/9W   |  |
| Casing        | Colour           |            |  |            |               |               | White         | + Black               |               |               |  |
|               | Material         |            |  |            | -             |               | Precoated     | Precoated sheet metal |               |               |  |
| Dimensions    | Unit             |            | HeightxWidthxDepth                     | mm         | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634         | 1,655x595x634 | 1,855x595x634 |  |
| Weight        | Unit             |            |  | kg         | 120           | 129           | 120           | 129                   | 120           | 129           |  |
| Tank          | Water vol        | ume        |  | 1          | 180           | 230           | 180           | 230                   | 180           | 230           |  |

|                              | Material                   |                      |     | and the same of th |               | Precoated:    | sheet metal   |               |               |  |
|------------------------------|----------------------------|----------------------|-----|--|---------------|---------------|---------------|---------------|---------------|--|
| Dimensions                   | Unit                       | HeightxWidthxDepth   | mm  | 1,655x595x634  | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 |  |
| Weight                       | Unit                       |                      | kg  | 120  | 129           | 120           | 129           | 120           | 129           |  |
| Tank                         | Water volu                 | ume                  | - 1 | 180  | 230           | 180           | 230           | 180           | 230           |  |
|                              | Maximum                    | water temperature    | °C  | 70   |               |               |               |               |               |  |
|                              | Maximum                    | water pressure       | bar | 10   |               |               |               |               |               |  |
|                              | Corrosion protection       |                      |     | Pickling   |               |               |               |               |               |  |
| Operation range              | Heating                    | Ambient Min.~Max.    | °C  |  |               | -25           | ~ 25          |               |               |  |
|                              | -                          | Water side Min.~Max. | °C  | 15 ~ 65  |               |               |               |               |               |  |
|                              | Domestic                   | Ambient Min.~Max.    | °C  | -25 ~ 35   |               |               |               |               |               |  |
|                              | hot water                  | Water side Min.~Max. | °C  | 25~62  |               |               |               |               |               |  |
| Sound power leve             | Sound power level Nom. dB/ |                      |     |  | 44            |               |               |               |               |  |
| ound pressure level Nom. dBA |                            |                      |     |  |               | 3             | 0             |               |               |  |
|                              |                            |                      |     |  |               |               |               |               |               |  |

| Journa pressure leve                             | EI INOIII.         |                    | ubn    |          | 30                                  |       |  |  |  |  |
|--|--------------------|--------------------|--------|----------|-------------------------------------|-------|--|--|--|--|
| Outdoor Unit                                     |                    |                    | ERRA   | 08EV3    | 10EV3                               | 12EV3 |  |  |  |  |
| Dimensions                                       | Unit               | HeightxWidthxDepth | mm     |          | 1,003x1,270x533                     |       |  |  |  |  |
| Weight   | Unit               |                    | kg     | 107      |                                     |       |  |  |  |  |
| Compressor                                       | Quantity           |                    |        |          | 1                                   |       |  |  |  |  |
|  | Туре               |                    |        | Н        | ermetically sealed swing compressor |       |  |  |  |  |
| Operation range                                  | Heating            | Min.~Max.          | °CDB   | -25 ~ 25 |                                     |       |  |  |  |  |
|  | Cooling            | Min.~Max.          | °CDB   |          | 10 ~ 43                             |       |  |  |  |  |
|  | Domestic hot water | Min.~Max.          | °CDB   | -25 ~ 35 |                                     |       |  |  |  |  |
|  | Туре               |                    |        |          | R-32                                |       |  |  |  |  |
|  | GWP                |                    |        |          | 675                                 |       |  |  |  |  |
|  | Charge             |                    | kg     |          | 3.25                                |       |  |  |  |  |
|  | Charge             |                    | TCO2Eq |          | 2.19                                |       |  |  |  |  |
|  | Control            |                    |        |          | Expansion valve                     |       |  |  |  |  |
| LW(A) Sound power leve<br>(according to EN14825) | el                 |                    |        |          | 54                                  |       |  |  |  |  |
| Sound pressure leve<br>(at 1 meter)              | el Nom.            |                    |        |          | 40.6                                |       |  |  |  |  |
| Power supply                                     | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |          | V3/1~/50/230                        |       |  |  |  |  |
| Current  | Recommended fuses  | 3                  | Α      |          | 32                                  |       |  |  |  |  |
|  |                    |                    |        |          |                                     |       |  |  |  |  |

 $\equiv$ 

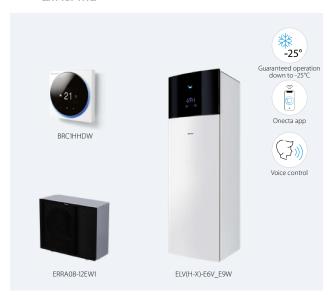




#### Daikin Altherma 3 R MT F

Floor standing air to water heat pump for heating, cooling and hot water, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- · For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances





















| Efficiency data |   |              | ELVX +                                    | ERRA       | 12S18E6V/9W +<br>08EW1 | 12S23E6V/9W<br>08EW1 | + 12S18E6\<br>10E\ |      | 12S23E6V/9W +<br>10EW1 | 12S18E6V/9W +<br>12EW1 | 12S23E6V/9W +<br>12EW1 |
|-----------------|---|--------------|---|------------|------------------------|----------------------|--------------------|------|------------------------|------------------------|------------------------|
| Space heating   | Average                                     | General      | SCOP                                      |            | 3.                     | 47                   |                    | 3.48 | 8                      | 3.                     | 58                     |
| •               | climate<br>water                            |              | ns (Seasonal space<br>heating efficiency) | %          |                        |                      | 136                |      |                        | 14                     | 10                     |
|                 | outlet 55 °C                                |              | Seasonal space heating eff. class         |            |                        |                      |                    | K    | 1                      |                        |                        |
|                 | Average<br>climate<br>water<br>outlet 35 °C | General<br>C | SCOP                                      |            | 4.                     | 95                   |                    | 4.98 |                        |                        |                        |
|                 |   |              | ns (Seasonal space heating efficiency)    | %          | 19                     | 95                   |                    |      | 19                     | 96                     |                        |
|                 |   |              | Seasonal space heating                    | eff. class |                        |                      |                    | (AT  | 1                      |                        |                        |
| Domestic hot    | General                                     | Declared     | load profile                              |            |                        |                      |                    | L    |                        |                        |                        |
| water heating   | Average                                     | COP          |   | dhw        | 2.8                    | 3.05                 | 2.8                | 3    | 3.05                   | 2.8                    | 3.05                   |
|                 | climate                                     | ŋwh (wate    | er heating efficiency)                    | %          | 120                    | 130                  | 120                | )    | 130                    | 120                    | 130                    |
| -0              | Water hea                                   |              | ating energy efficienc                    | y class    |                        |                      |                    | K    | T .                    |                        |                        |

| Indoor Unit                               |                             |                       |                    | ELVX | 12S18E6V/9W   | 12S23E6V/9W           | 12S18E6V/9W   | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W   |  |  |
|---|-----------------------------|-----------------------|--------------------|------|---------------|-----------------------|---------------|---------------|---------------|---------------|--|--|
| Casing                                    | Colour                      |                       |                    |      |               |                       | White         | + Black       |               |               |  |  |
| ,   | Material                    |                       |                    |      |               | Precoated sheet metal |               |               |               |               |  |  |
| Dimensions                                | Unit                        |                       | HeightxWidthxDepth | mm   | 1,655x595x634 | 1,855x595x634         | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 |  |  |
| Weight                                    | Unit                        |                       |                    | kg   | 120           | 20 129 120 129 120    |               |               |               | 129           |  |  |
| Tank                                      | Water volume                |                       |                    |      | 180           | 230                   | 180           | 230           | 180           | 230           |  |  |
|   | Maximum water temperature ° |                       |                    |      | 70            |                       |               |               |               |               |  |  |
| Ţ.  | Maximum                     | aximum water pressure |                    |      |               |                       | 1             | 0             |               |               |  |  |
|   | Corrosion                   | protection            |                    |      | Pickling      |                       |               |               |               |               |  |  |
| Operation range                           | Heating                     | Ambient               | Min.~Max.          | °C   |               |                       | -25           | ~ 25          |               |               |  |  |
|   |                             | Water side            | Min.~Max.          | °C   |               |                       | 15 -          | ~ 65          |               |               |  |  |
|   | Domestic                    | Ambient               | Min.~Max.          | °C   |               |                       | -25           | ~ 35          |               |               |  |  |
| hot water Water side Min.~Max. °C 25 ~ 62 |                             |                       |                    |      |               |                       |               |               |               |               |  |  |
| Sound power leve                          | ound power level Nom. d     |                       |                    | dBA  | BA 44         |                       |               |               |               |               |  |  |
| Sound pressure leve                       | und pressure level Nom.     |                       |                    | dBA  | BA 30         |                       |               |               |               |               |  |  |

| Journa pressure lev                             | ei Noili.          |                    | ubh    |       | 30                                  |       |
|---|--------------------|--------------------|--------|-------|-------------------------------------|-------|
| Outdoor Unit                                    |                    |                    | ERRA   | 08EW1 | 10EW1                               | 12EW1 |
| Dimensions                                      | Unit               | HeightxWidthxDepth | mm     |       | 1,003x1,270x533                     |       |
| Weight  | Unit               |                    | kg     |       | 107                                 |       |
| Compressor                                      | Quantity           |                    |        |       | 1                                   |       |
|   | Туре               |                    |        | F     | lermetically sealed swing compresso | or    |
| Operation range                                 | Heating            | Min.~Max.          | °CDB   |       | -25 ~ 25                            |       |
|   | Cooling            | Min.~Max.          | °CDB   |       | 10 ~ 43                             |       |
|   | Domestic hot water | Min.~Max.          | °CDB   |       | -25 ~ 35                            |       |
| Refrigerant                                     | Туре               |                    |        |       | R-32                                |       |
|   | GWP                |                    |        |       | 675                                 |       |
|   | Charge             |                    | kg     |       | 3.25                                |       |
|   | Charge             |                    | TCO2Eq |       | 2.19                                |       |
|   | Control            |                    |        |       | Expansion valve                     |       |
| LW(A) Sound power lev<br>(according to EN14825) | rel                |                    |        |       | 56                                  |       |
| Sound pressure lever (at 1 meter)               | el Nom.            |                    |        |       | 41.1                                |       |
| Power supply                                    | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |       | W1/3~/50/400                        |       |
| Current   | Recommended fuses  | 5                  | Α      |       | 16                                  |       |

VRV

### Daikin Altherma 3 R MT F

Floor standing air to water heat pump for **heating**, **cooling and hot water**, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- · For hot water, heating and cooling

011-1W0651 011-1W0652 011-1W0653 011-1W0654 011-1W0655

- Quick configuration in 9 steps in a high resolution colour interface wizard
- · Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



















| 011 100000      |                             |           |   |               |                        |                        |     | LLV/               |                        | **********             | 1110100 122111         |
|-----------------|-----------------------------|-----------|---|---------------|------------------------|------------------------|-----|--------------------|------------------------|------------------------|------------------------|
| Efficiency data |                             |           | ELVX                                      | + ERRA        | 12S18E6V/9W -<br>08EV3 | - 12S23E6V/9V<br>08EV3 |     | 3E6V/9W +<br>10EV3 | 12S23E6V/9W +<br>10EV3 | 12S18E6V/9W +<br>12EV3 | 12S23E6V/9W -<br>12EV3 |
| Space heating   | Average                     | General   | SCOP                                      |               | 3                      | 3.37                   |     | 3.                 | 38                     | 3.                     | 47                     |
| ·               | climate<br>water            |           | ns (Seasonal space<br>heating efficiency) |               |                        |                        | 132 |                    |                        | 13                     | 36                     |
|                 | outlet 55 °C                | 2         | Seasonal space heati                      | ng eff. class |                        |                        |     | <u>(</u>           | c į                    |                        |                        |
|                 | Average<br>climate<br>water |           | SCOP                                      |               | 4                      | 1.79                   |     |                    | 4.                     | 82                     |                        |
|                 |                             |           | ns (Seasonal space<br>heating efficiency) |               | .,,,,,,                | 188                    |     |                    | 19                     | 90                     |                        |
|                 | outlet 35 °C                | - 4       | Seasonal space heati                      | ng eff. class |                        |                        |     | 4                  | <b>r</b> []            |                        |                        |
| Domestic hot    | General                     | Declared  | load profile                              |               |                        |                        |     |                    | L                      |                        |                        |
|                 | Average                     | COP       |   | dhw           | 2.72                   | 2.96                   |     | 2.72               | 2.96                   | 2.72                   | 2.96                   |
|                 | climate                     |           | r heating efficiency)                     | %             | 117                    | 126                    |     | 117                | 126                    | 117                    | 126                    |
|                 |                             | Water hea | Water heating energy efficiency of        |               |                        |                        |     | 4                  | <b>灰</b> 🏗             |                        |                        |

| Indoor Unit              |            |             |                    | ELVX | 12S18E6V/9W   | 12S23E6V/9W           | 12S18E6V/9W   | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W   |  |  |  |  |
|--------------------------|------------|-------------|--------------------|------|---------------|-----------------------|---------------|---------------|---------------|---------------|--|--|--|--|
| Casing                   | Colour     |             |                    |      | White + Black |                       |               |               |               |               |  |  |  |  |
| -                        | Material   |             |                    |      |               | Precoated sheet metal |               |               |               |               |  |  |  |  |
| Dimensions               | Unit       |             | HeightxWidthxDepth | mm   | 1,655x595x634 | 1,855x595x634         | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 |  |  |  |  |
| Weight                   | Unit       |             |                    | kg   | 120           | 129                   | 120           | 129           | 120           | 129           |  |  |  |  |
| Tank                     | Water volu | ıme         |                    | Ī    | 180           | 230                   | 180           | 230           | 180           | 230           |  |  |  |  |
| _                        | Maximum    | water temp  | erature            | °C   |               | 70                    |               |               |               |               |  |  |  |  |
|                          | Maximum    | water press | sure               | bar  | 10            |                       |               |               |               |               |  |  |  |  |
|                          | Corrosion  | protection  |                    |      | Pickling      |                       |               |               |               |               |  |  |  |  |
| Operation range          | Heating    | Ambient     | Min.~Max.          | °C   |               |                       | -25           | ~25           |               |               |  |  |  |  |
| -                        | _          | Water side  | Min.~Max.          | °C   |               |                       | 15 ·          | ~65           |               |               |  |  |  |  |
|                          | Domestic   | Ambient     | Min.~Max.          | °C   |               |                       | -25           | ~35           |               |               |  |  |  |  |
|                          | hot water  | Water side  | Min.~Max.          | °C   | °C 25 ~62     |                       |               |               |               |               |  |  |  |  |
| Sound power level Nom. d |            |             |                    | dBA  | BA 44         |                       |               |               |               |               |  |  |  |  |
| Sound pressure leve      |            |             |                    |      | BA 30         |                       |               |               |               |               |  |  |  |  |

| Outdoor Unit                                     |                    |                    | ERRA   | 08EV3           | 10EV3                               | 12EV3 |  |  |  |  |  |
|--|--------------------|--------------------|--------|-----------------|-------------------------------------|-------|--|--|--|--|--|
| Dimensions                                       | Unit               | HeightxWidthxDepth | mm     |                 | 1,003x1,270x533                     |       |  |  |  |  |  |
| Weight   | Unit               |                    | kg     |                 | 107                                 |       |  |  |  |  |  |
| Compressor                                       | Quantity           |                    |        |                 | 1                                   |       |  |  |  |  |  |
|  | Туре               |                    |        | H               | lermetically sealed swing compresso | or    |  |  |  |  |  |
| Operation range                                  | Heating            | Min.~Max.          | °CDB   |                 | -25 ~ 25                            |       |  |  |  |  |  |
|  | Cooling            | Min.~Max.          | °CDB   |                 | 10 ~ 43                             |       |  |  |  |  |  |
|  | Domestic hot water | Min.~Max.          | °CDB   |                 | -25 ~ 35                            |       |  |  |  |  |  |
| Refrigerant                                      | Type               |                    |        |                 | R-32                                |       |  |  |  |  |  |
|  | GWP                |                    |        |                 | 675                                 |       |  |  |  |  |  |
|  | Charge             |                    | kg     |                 | 3.25                                |       |  |  |  |  |  |
|  | Charge             |                    | TCO2Eq |                 | 2.19                                |       |  |  |  |  |  |
|  | Control            |                    |        | Expansion valve |                                     |       |  |  |  |  |  |
| LW(A) Sound power leve<br>(according to EN14825) |                    |                    |        |                 | 54                                  |       |  |  |  |  |  |
| Sound pressure level (at 1 meter)                | l Nom.             |                    |        |                 | 40.6                                |       |  |  |  |  |  |
| Power supply                                     | Name/Phase/Freque  | ncy/Voltage        | Hz/V   |                 | V3/1~/50/230                        |       |  |  |  |  |  |
| Current  | Recommended fuses  | S                  | Α      |                 | 32                                  |       |  |  |  |  |  |

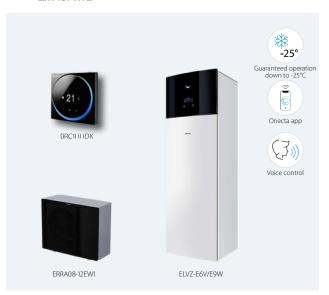




#### Daikin Altherma 3 R MT F

Floor standing unit integrated with different temperature zones management

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency
- Quick configuration in 9 steps in a high resolution colour interface wizard
- · Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances





















| Efficiency data |                  |           | ELVZ+                                     | ERRA       | 12S18E6V/9W +<br>08EW1 |     | 3E6V/9W +<br>08EW1  | 12S18E6V/9W +<br>10EW1 | 12S23E6V/9W +<br>10EW1 | 12S18E6V/9W +<br>12EW1 | 12S23E6V/9W +<br>12EW1 |
|-----------------|------------------|-----------|---|------------|------------------------|-----|---------------------|------------------------|------------------------|------------------------|------------------------|
| Space heating   | Average          | General   | SCOP                                      |            | 3.                     | .42 |                     | 3.                     | 43                     | 3.58                   |                        |
| wat             | climate<br>water |           | ns (Seasonal space<br>heating efficiency) | %          | 1:                     | 34  |                     | 13                     | 34                     | 13                     | 38                     |
|                 | outlet 55 °C     | -         | Seasonal space heating                    | eff. class |                        |     |                     |                        | <b>7</b> 6             |                        |                        |
|                 | Average          | General   | SCOP                                      |            | 4                      | .81 |                     |                        | 4.                     | 84                     |                        |
|                 | climate<br>water |           | ns (Seasonal space<br>heating efficiency) | %          | 19                     | 90  |                     |                        | 1:                     | 91                     |                        |
|                 | outlet 35 °C     |           | Seasonal space heating                    | eff. class |                        |     |                     | •                      | <u>*</u>               |                        |                        |
| Domestic hot    | General          | Declared  | oad profile                               |            |                        |     |                     | 1                      | _                      |                        |                        |
| water heating   | Average          | COP       |   | dhw        | 2.8                    |     | 3.05                | 2.8                    | 3.05                   | 2.8                    | 3.05                   |
| <b>2</b>        | climate          | ŋwh (wate | r heating efficiency)                     | %          | 120                    |     | 130                 | 120                    | 130                    | 120                    | 130                    |
| -0              |                  | Water hea | ting energy efficienc                     | y class    |                        |     | plant of the second | 4                      | <b>t</b> }             |                        |                        |

| Indoor Unit                             |                               |                            |                    | ELVZ | 12S18E6V/9W           | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W   |  |  |
|---|-------------------------------|----------------------------|--------------------|------|-----------------------|---------------|---------------|---------------|---------------|---------------|--|--|
| Casing                                  | Colour                        |                            |                    |      | White + Black         |               |               |               |               |               |  |  |
|   | Material                      |                            |                    |      | Precoated sheet metal |               |               |               |               |               |  |  |
| Dimensions                              | Unit                          |                            | HeightxWidthxDepth | mm   | 1,655x595x634         | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 |  |  |
| Weight                                  | Unit                          | *****                      |                    |      | 133                   | 141           | 133           | 141           | 133           | 141           |  |  |
| Tank                                    | Water volu                    | ıme                        |                    | - 1  | 180                   | 230           | 180           | 230           | 180           | 230           |  |  |
|   | Maximum water temperature °C  |                            |                    |      | 70                    |               |               |               |               |               |  |  |
|   | Maximum                       | Maximum water pressure bar |                    |      | 10                    |               |               |               |               |               |  |  |
|   | Corrosion                     | protection                 |                    |      |                       |               | Pick          | ding          |               |               |  |  |
| Operation range                         | Heating                       | Ambient                    | Min.~Max.          | °C   |                       |               | -25           | ~ 25          |               |               |  |  |
|   |                               | Water side                 | Min.~Max.          | °C   |                       |               | 15 -          | ~ 65          |               |               |  |  |
|   | Domestic                      | Ambient                    | Min.~Max.          | °C   |                       |               | -25           | ~ 35          |               |               |  |  |
| hot water Water side Min.~Max. °C 25~62 |                               |                            |                    |      |                       |               |               |               |               |               |  |  |
| Sound power leve                        | ound power level Nom. dB      |                            |                    |      | 44                    |               |               |               |               |               |  |  |
| Sound pressure leve                     | Sound pressure level Nom. dBA |                            |                    |      | 30                    |               |               |               |               |               |  |  |

| Journa pressure levi                            | ei Noili.          |                        | ubA    |       |       |                     |                  |       |       |  |
|---|--------------------|------------------------|--------|-------|-------|---------------------|------------------|-------|-------|--|
| Outdoor Unit                                    |                    |                        | ERRA   | 08EW1 | 08EW1 | 10EW1               | 10EW1            | 12EW1 | 12EW1 |  |
| Dimensions                                      | Unit               | HeightxWidthxDepth     | mm     |       |       | 1,003x1,            | 270x533          |       |       |  |
| Weight  | Unit               |                        | kg     |       |       | 10                  | 07               |       |       |  |
| Camanassas                                      | Quantity           |                        |        |       |       |                     | 1                |       |       |  |
| Compressor                                      | Туре               |                        |        |       | Н     | lermetically sealed | d swing compress | or    |       |  |
|   | Heating            | Min.~Max.              | °CDB   |       |       | -25                 | ~ 25             |       |       |  |
| Operation range                                 | Cooling            | Min.~Max. °CDB 10 ~ 43 |        |       |       |                     |                  |       |       |  |
|   | Domestic hot water |                        |        |       |       |                     |                  |       |       |  |
| Refrigerant                                     | Туре               | R-32                   |        |       |       |                     |                  |       |       |  |
|   | GWP                |                        |        |       |       | 6                   | 75               |       |       |  |
|   | Charge             |                        | kg     |       |       | 3.                  | 25               |       |       |  |
|   | Charge             |                        | TCO2Eq |       |       | 2.                  | 19               |       |       |  |
|   | Control            |                        |        |       |       | Expansi             | on valve         |       |       |  |
| LW(A) Sound power lev<br>(according to EN14825) | el                 |                        |        |       |       | 5                   | 66               |       |       |  |
| Sound pressure leve<br>(at 1 meter)             | el Nom.            |                        |        |       |       | 4                   | 1.1              |       |       |  |
| Power supply                                    | Name/Phase/Freque  | ncy/Voltage            | Hz/V   |       |       | W1/3~               | /50/400          |       |       |  |
| Current   | Recommended fuses  | 1                      | Α      |       |       | 1                   | 6                |       |       |  |

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#### Daikin Altherma 3 R MT F

Floor standing unit integrated with different temperature zones management

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
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011-1W0651 011-1W0652 011-1W0653 011-1W0654 011-1W0655 011-1W0656

ELVZ-E6V





| Efficiency data |                             |           | ELVZ                                      | + ERRA       | 12S18E6V/9W +<br>08EV3 | 12S23E6V/9W - 08EV3 | + 12S18E6V/9W -<br>10EV3 | + 12S23E6V/9W +<br>10EV3 | 12S18E6V/9W +<br>12EV3 | 12S23E6V/9W +<br>12EV3 |
|-----------------|-----------------------------|-----------|---|--------------|------------------------|---------------------|--------------------------|--------------------------|------------------------|------------------------|
| Space heating   | Average                     | General   | SCOP                                      |              |                        | 7                   | 3.34                     |                          | 3.                     | 44                     |
| <b>*</b>        | climate<br>water            |           | ns (Seasonal space<br>heating efficiency) | %            | 1                      | 30                  |                          | 131                      | 13                     | 35                     |
|                 | outlet 55 °C                | 2         | Seasonal space heatin                     | g eff. class |                        | <i>y</i>            |                          | # 3                      |                        |                        |
|                 | Average<br>climate<br>water | General   | SCOP                                      |              | 4.                     | 4.69 4.71           |                          |                          |                        |                        |
|                 |                             |           | ns (Seasonal space heating efficiency)    | %            | 1                      | 84                  |                          | 1                        | 86                     |                        |
|                 | outlet 35 °C                |           | Seasonal space heatin                     | g eff. class |                        |                     | •                        | <b>#</b> 3               |                        |                        |
| Domestic hot    | General                     | Declared  | load profile                              |              |                        |                     |                          | L                        |                        |                        |
|                 | Average                     |           |   | dhw          | 2.72                   | 2.96                | 2.72                     | 2.96                     | 2.72                   | 2.96                   |
|                 | climate                     | ŋwh (wate | r heating efficiency)                     | %            | 117                    | 126                 | 117                      | 126                      | 117                    | 126                    |
|                 |                             | Water hea | iting energy efficien                     | cy class     |                        |                     |                          | R i                      |                        |                        |

| Indoor Unit               |                            |            |                    | ELVZ | 12S18E6V/9W           | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W   | 12S18E6V/9W   | 12S23E6V/9W   |  |  |
|---------------------------|----------------------------|------------|--------------------|------|-----------------------|---------------|---------------|---------------|---------------|---------------|--|--|
| Casing                    | Colour                     |            |                    |      | White + Black         |               |               |               |               |               |  |  |
| •                         | Material                   |            |                    |      | Precoated sheet metal |               |               |               |               |               |  |  |
| Dimensions                | Unit                       |            | HeightxWidthxDepth | mm   | 1,655x595x634         | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 | 1,655x595x634 | 1,855x595x634 |  |  |
| Weight                    | Unit                       |            |                    | kg   | 133                   | 141           | 133           | 141           | 133           | 141           |  |  |
| Tank                      | Water volu                 | ume        |                    | 1    | 180                   | 230           | 180           | 230           | 180           | 230           |  |  |
|                           | Maximum                    | water temp | perature           | °C   |                       | 70            |               |               |               |               |  |  |
| _                         | Maximum water pressure bar |            |                    |      |                       | 10            |               |               |               |               |  |  |
|                           | Corrosion                  | protection |                    |      | Pickling              |               |               |               |               |               |  |  |
| Operation range           | Heating                    | Ambient    | Min.~Max.          | °C   |                       |               | -25           | ~ 25          |               |               |  |  |
| -                         | _                          | Water side | Min.~Max.          | °C   |                       |               | 15 -          | ~ 65          |               |               |  |  |
|                           | Domestic                   | Ambient    | Min.~Max.          | °C   |                       |               | -25           | ~35           |               |               |  |  |
|                           | hot water                  | Water side | Min.~Max.          | °C   | °C 25 ~ 62            |               |               |               |               |               |  |  |
| ound power level Nom. dB/ |                            |            |                    | dBA  | 3A 44                 |               |               |               |               |               |  |  |
| Sound pressure leve       | el Nom.                    |            |                    | dBA  | BA 30                 |               |               |               |               |               |  |  |

| BRR   08EV3   08EV3   10EV3   10EV3   12EV3   10EV3   12EV3   10EV3   10EV3 |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
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|   |  |  |  |  |  |  |  |  |
| or  |  |  |  |  |  |  |  |  |
| -25 ~ 25<br>10 ~ 43<br>-25 ~ 35<br>R-32<br>675  |  |  |  |  |  |  |  |  |
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| R-32<br>675<br>3.25   |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |
| -25 ~ 25<br>10 ~ 43<br>-25 ~ 35<br>R-32<br>675<br>3.25<br>2.19<br>Expansion valve   |  |  |  |  |  |  |  |  |
| )r  |  |  |  |  |  |  |  |  |

145

### Floor standing unit with integrated ECH<sub>2</sub>O tank

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water. The ECH<sub>2</sub>O unit is equipped with a thermal DHW tank of 300 or 500 L that can be connected to thermal solar panels.





595 mm = 300 L 790 mm = 500 L

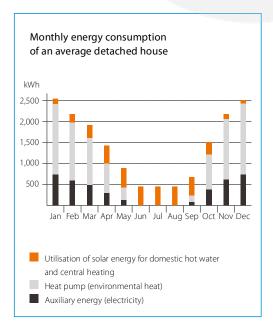
BLUEVOLUTION

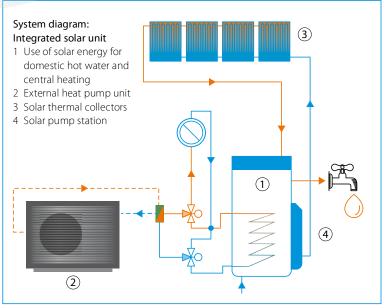
Floor standing air-to-water heat pump for heating and hot water with thermal solar suport: ELSH units Floor standing air-to-water heat pump for bivalent heating and hot water with thermal solar suport: ELSHB units Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar suport: ELSX units Floor standing air-to-water heat pump for bivalent heating, cooling and hot water with thermal solar suport: ELSXB units

#### Pressureless (drain-back) Pressurised solar system solar system (ELSH\*, ELSX\*) (ELSHB\*, ELSXB\*)

- 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

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





011-1W0657

VRV



# Daikin Altherma 3 R MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for heating and hot water with thermal solar support

- · Integrated solar unit, offering top comfort in heating and hot water
- · Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- · Quick configuration in 9 steps in a high resolution colour interface wizard
- · Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- · Fresh water principle: hygienic water, with no need for thermal legionella disinfection



















| 011-1W0658      |                       |                                   |   |           |                        |               |                   | E              | ELSH-E        | RRA08-12EW1      |  |  |
|-----------------|-----------------------|-----------------------------------|---|-----------|------------------------|---------------|-------------------|----------------|---------------|------------------|--|--|
| Efficiency data |                       |                                   | ELSH +                                    | ERRA 1    | 2P30E + 08EW1          | 12P50E + 08EV | V1 12P30E + 10EW1 | 12P50E + 10EW1 | 12P30E + 12EW | 1 12P50E + 12EW1 |  |  |
| Space heating   | Average               | General                           | SCOP                                      |           | 3                      | .42           | 3.                | .43            | 3             | .53              |  |  |
| <b>*</b>        | climate<br>water      |                                   | ns (Seasonal space<br>heating efficiency) | %         |                        |               | 134               |                | 1             | 38               |  |  |
|                 | outlet 55 °C          | C                                 | Seasonal space heating eff. class         |           |                        |               |                   | <b>F</b> []    |               |                  |  |  |
|                 | Average climate water | General                           | SCOP                                      |           | 4                      | .81           |                   | 4.             | .84           |                  |  |  |
|                 |                       | . /                               | ns (Seasonal space heating efficiency)    | %         | 1                      | 90            |                   | 1              | 91            |                  |  |  |
|                 | outlet 35 °C          | Seasonal space heating eff. class |   |           | 3                      |               | 4                 | <b>E</b>       |               |                  |  |  |
| Domestic hot    | General               | Declared                          | load profile                              |           | L                      | XL            | L                 | XL             | L             | XL               |  |  |
| water heating   | Average               | COP                               |   | dhw       | 2.83                   | 3.29          | 2.83              | 3.29           | 2.83          | 3.29             |  |  |
|                 | climate               | climate nwh (wate                 | er heating efficiency)                    | %         | 119                    | 136           | 119               | 136            | 119           | 136              |  |  |
| •               |                       |                                   |   | Water hea | ating energy efficienc | y class       |                   |                |               | <b>≅</b> į̇̃     |  |  |
|                 |                       |                                   |   |           |                        |               |                   |                |               |                  |  |  |

| Indoor Unit                      |                               |            |                    | ELSH  | 12P30E  | 12P50E                         | 12P30E        | 12P50E        | 12P30E        | 12P50E        |  |  |
|----------------------------------|-------------------------------|------------|--------------------|-------|---|--------------------------------|---------------|---------------|---------------|---------------|--|--|
| Casing                           | Colour                        |            |                    |       | Traffic white (RAL9016) / Traffic black (RAL9017) |                                |               |               |               |               |  |  |
|                                  | Material                      |            |                    |       |   | Impact resistant polypropylene |               |               |               |               |  |  |
| Dimensions                       | Unit                          |            | HeightxWidthxDepth | mm    | 1,893x594x680                                     | 1,910x792x817                  | 1,893x594x680 | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 |  |  |
| Weight                           | Unit                          |            |                    | kg    | 76  | 91                             | 76            | 91            | 76            | 91            |  |  |
| Tank                             | Water volu                    | ıme        |                    | - 1   | 294   | 477                            | 294           | 477           | 294           | 477           |  |  |
|                                  | Maximum water temperature     |            |                    | °C    | 85  |                                |               |               |               |               |  |  |
| Operation range                  | Heating                       | Ambient    | Min.~Max.          | °C    |   |                                | -25           | ~25           |               |               |  |  |
|                                  |                               | Water side | Min.~Max.          | °C    | 15 ~ 65   |                                |               |               |               |               |  |  |
|                                  | Domestic                      | Ambient    | Min.~Max.          | °C    | -25~35  |                                |               |               |               |               |  |  |
| hot water Water side Min.~Max. ° |                               |            | °C                 | 25~62 |   |                                |               |               |               |               |  |  |
| Sound power leve                 | Sound power level Nom. dBA    |            |                    |       | 44.7  |                                |               |               |               |               |  |  |
| Sound pressure leve              | Sound pressure level Nom. dBA |            |                    |       |   | 36.8                           |               |               |               |               |  |  |

| Journa pressure leve                            | er ivoiri,          |                    | UDA    |                                      | 30.0            |       |  |  |  |
|---|---------------------|--------------------|--------|--------------------------------------|-----------------|-------|--|--|--|
| Outdoor Unit                                    |                     |                    | ERRA   | 08EW1                                | 10EW1           | 12EW1 |  |  |  |
| Dimensions                                      | Unit                | HeightxWidthxDepth | mm     | 1,003x1,270x533                      |                 |       |  |  |  |
| Weight  | Unit                |                    | kg     |                                      | 107             |       |  |  |  |
| Compressor                                      | Compressor Quantity |                    |        |                                      | 1               |       |  |  |  |
|   | Туре                |                    |        | Hermetically sealed swing compressor |                 |       |  |  |  |
| Operation range                                 | Heating             | Min.~Max.          | °CDB   |                                      | -25 ~25         |       |  |  |  |
|   | Domestic hot water  | Min.~Max.          | °CDB   |                                      | -25 ~35         |       |  |  |  |
| _   | Туре                |                    |        |                                      | R-32            |       |  |  |  |
|   | GWP                 |                    |        |                                      | 675             |       |  |  |  |
|   | Charge              |                    | kg     |                                      | 3.25            |       |  |  |  |
|   | Charge              |                    | TCO2Eq |                                      | 2.19            |       |  |  |  |
|   | Control             |                    |        |                                      | Expansion valve |       |  |  |  |
| LW(A) Sound power lev<br>(according to EN14825) | el                  |                    |        |                                      | 56              |       |  |  |  |
| Sound pressure leve<br>(at 1 meter)             | el Nom.             |                    |        |                                      | 41.1            |       |  |  |  |
| Power supply                                    | Name/Phase/Freque   | ncy/Voltage        | Hz/V   | /V W1/3~/50/400                      |                 |       |  |  |  |
| Current   | Recommended fuses   | ;                  | Α      | A 16                                 |                 |       |  |  |  |
|   |                     |                    |        |                                      |                 |       |  |  |  |

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# Daikin Altherma 3 R MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **heating** and hot water with thermal solar support

- · Integrated solar unit, offering top comfort in heating and hot water
- · Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- · Fresh water principle: hygienic water, with no need for thermal legionella disinfection



















| Efficiency data |                       |                                       | ELSH                                     | + ERRA                            | 12P30E + 08 | EV3 12P50E + 08 | EV3 12P3 | 30E + 10EV3 | 12P50E + 10EV3 | 12P30E + 12EV3 | 12P50E + 12EV3 |
|-----------------|-----------------------|---------------------------------------|--|-----------------------------------|-------------|-----------------|----------|-------------|----------------|----------------|----------------|
| Space heating   | Average               | General                               | SCOP                                     |                                   |             |                 |          | 3           | .44            |                |                |
| *               | climate<br>water      | _                                     | ns (Seasonal space<br>heating efficiency |                                   |             | 130             |          | 1           | 131            | 1:             | 35             |
|                 | outlet 55 ℃           |                                       | Seasonal space heat                      | ing eff. class                    |             |                 |          |             | ar f           |                |                |
|                 | Average climate water | General                               | SCOP                                     |                                   |             | 4.69            |          | 4.71        |                |                |                |
|                 |                       |                                       | ns (Seasonal space<br>heating efficiency |                                   |             |                 | 184      |             |                | 18             | 86             |
|                 | outlet 35 °C          | - 4                                   | Seasonal space heat                      | Seasonal space heating eff. class |             |                 |          | •           | # <u>{</u>     |                |                |
| Domestic hot    | General               | Declared                              | load profile                             |                                   | L           | XL              |          | L           | XL             | L              | XL             |
| water heating   | Average               | COP                                   |  | dhw                               | 2.75        | 3.19            |          | 2.75        | 3.19           | 2.75           | 3.19           |
|                 | climate               | nwh (wate                             | er heating efficiency                    | /) %                              | 116         | 132             |          | 116         | 132            | 116            | 132            |
|                 |                       | Water heating energy efficiency class |  |                                   |             |                 |          | •           | # 1            |                |                |

| Indoor Unit                   |            |                              |                    | ELSH | 12P30E        | 12P50E  | 12P30E           | 12P50E          | 12P30E        | 12P50E        |  |  |
|-------------------------------|------------|------------------------------|--------------------|------|---------------|---|------------------|-----------------|---------------|---------------|--|--|
| Casing                        | Colour     |                              |                    |      |               | Traffic white (RAL9016) / Traffic black (RAL9017) |                  |                 |               |               |  |  |
| _                             | Material   |                              |                    |      |               |   | Impact resistant | t polypropylene |               |               |  |  |
| Dimensions                    | Unit       |                              | HeightxWidthxDepth | mm   | 1,893x594x680 | 1,910x792x817                                     | 1,893x594x680    | 1,910x792x817   | 1,893x594x680 | 1,910x792x817 |  |  |
| Weight                        | Unit       |                              |                    | kg   | 76            | 91  | 76               | 91              | 76            | 91            |  |  |
| Tank                          | Water volu | ıme                          |                    | I    | 294           | 477   | 294              | 477             | 294           | 477           |  |  |
|                               | Maximum    | Maximum water temperature °C |                    |      |               | ^   | 8                | 5               |               |               |  |  |
| Operation range               | Heating    | Ambient Min.~Max.            |                    |      | -25 ~25       |   |                  |                 |               |               |  |  |
|                               |            | Waterside                    | Min.~Max.          | °C   | 15 ~65        |   |                  |                 |               |               |  |  |
|                               | Domestic   | Ambient                      | Min.~Max.          | °C   | -25 ~35       |   |                  |                 |               |               |  |  |
|                               | hot water  | Waterside                    | Min.~Max.          | °C   |               |   | 25 -             | ~62             |               |               |  |  |
| Sound power leve              | l Nom.     |                              |                    | dBA  | 44.7          |   |                  |                 |               |               |  |  |
| Sound pressure level Nom. dBA |            |                              |                    |      |               |   | 36               | 5.8             |               |               |  |  |

| Sound pressure levi                             | ei nom.            |                    | UDA    | 30.0         |                                    |       |  |  |  |  |
|---|--------------------|--------------------|--------|--------------|------------------------------------|-------|--|--|--|--|
| Outdoor Unit                                    |                    |                    | ERRA   | 08EV3        | 10EV3                              | 12EV3 |  |  |  |  |
| Dimensions                                      | Unit               | HeightxWidthxDepth | mm     |              | 1,003x1,270x533                    |       |  |  |  |  |
| Weight  | Unit               |                    | kg     |              | 107                                |       |  |  |  |  |
| Compressor                                      | Quantity           |                    |        |              | 1                                  |       |  |  |  |  |
|   | Туре               |                    |        | Н            | lermetically sealed swing compress | or    |  |  |  |  |
| Operation range                                 | Heating            | Min.~Max.          | °CDB   |              | -25 ~ 25                           |       |  |  |  |  |
|   | Domestic hot water | Min.~Max.          | °CDB   |              | -25 ~35                            |       |  |  |  |  |
| Refrigerant                                     | Туре               |                    |        |              | R-32                               |       |  |  |  |  |
|   | GWP                |                    |        |              | 675                                |       |  |  |  |  |
|   | Charge             |                    | kg     |              | 3.25                               |       |  |  |  |  |
|   | Charge             |                    | TCO2Eq |              | 2.19                               |       |  |  |  |  |
|   | Control            |                    |        |              | Expansion valve                    |       |  |  |  |  |
| LW(A) Sound power lev<br>(according to EN14825) | el                 |                    |        |              | 54                                 |       |  |  |  |  |
| Sound pressure leve<br>(at 1 meter)             | el Nom.            |                    |        |              | 40.6                               |       |  |  |  |  |
| Power supply                                    | Name/Phase/Freque  | ncy/Voltage        | Hz/V   | V3/1~/50/230 |                                    |       |  |  |  |  |
| Current   | Recommended fuses  | 5                  | Α      | 32           |                                    |       |  |  |  |  |
|   |                    |                    |        |              |                                    |       |  |  |  |  |

011-1W0657

# Daikin Altherma 3 R MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **bivalent heating, cooling and hot** water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source



















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|---|-----|-----------|-----|------|
|   | FI  | SI        | HB. | -F   |

|                 | _                           |                                       |                                   |           |      |               |               |          |               |                |                | I              |
|-----------------|-----------------------------|---------------------------------------|-----------------------------------|-----------|------|---------------|---------------|----------|---------------|----------------|----------------|----------------|
| Efficiency data |                             |                                       |                                   | ELSHB +   | ERRA | 12P30E + 08EW | 1 12P50E + 08 | EW1 12P3 | 0E + 10EW1    | 12P50E + 10EW1 | 12P30E + 12EW1 | 12P50E + 12EW1 |
| Space heating   | Average                     | General                               | SCOP                              |           |      | 3             | .42           |          | 3.            | .43            | 3.             | .53            |
| <b>*</b>        | climate<br>water            | c                                     | ns (Seasor<br>heating et          |           | %    |               |               | 134      |               |                | 1:             | 38             |
|                 | outlet 55 °C                | _                                     | Seasonal space heating eff. class |           |      |               |               | <b>(</b> | <b>87</b> (2) |                |                |                |
|                 | Average<br>climate<br>water | General<br>C                          | SCOP                              |           |      | 4             | .81           |          | 4.84          |                |                |                |
|                 |                             |                                       | ns (Seasor<br>heating e           |           | %    | 1             | 90            |          |               | 19             | 91             |                |
|                 | outlet 35 °C                |                                       | Seasonal space heating eff. class |           |      | 3             |               |          | 4             | <b>** ?</b>    |                |                |
| Domestic hot    | General                     | Declared                              | load profile                      | 2         |      | L             | XL            |          | L             | XL             | L              | XL             |
| water heating   | Average climate             | COP                                   |                                   |           | dhw  | 2.83          | 3.29          |          | 2.83          | 3.29           | 2.83           | 3.29           |
|                 |                             | ŋwh (wate                             | er heating ef                     | ficiency) | %    | 119           | 136           |          | 119           | 136            | 119            | 136            |
|                 |                             | Water heating energy efficiency class |                                   | y class   |      |               |               | (        | # P           |                |                |                |

| Indoor Unit                             |                               |            |                    | ELSHB | 12P30E  | 12P50E        | 12P30E        | 12P50E        | 12P30E        | 12P50E        |  |
|---|-------------------------------|------------|--------------------|-------|---|---------------|---------------|---------------|---------------|---------------|--|
| Casing                                  | Colour                        |            |                    |       | Traffic white (RAL9016) / Traffic black (RAL9017) |               |               |               |               |               |  |
|   | Material                      |            |                    |       | Impact resistant polypropylene                    |               |               |               |               |               |  |
| Dimensions                              | Unit                          |            | HeightxWidthxDepth | mm    | 1,893x594x680                                     | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 |  |
| Weight                                  | Unit                          |            |                    | kg    | 76  | 91            | 76            | 91            | 76            | 91            |  |
| Tank                                    | Water volu                    | ıme        |                    | - 1   | 294   | 477           | 294           | 477           | 294           | 477           |  |
|   | Maximum water temperature     |            |                    | °C    | 85  |               |               |               |               |               |  |
| Operation range                         | Heating                       | Ambient    | Min.~Max.          | °C    | -25 ~25   |               |               |               |               |               |  |
|   |                               | Water side | Min.~Max.          | °C    | 15 ~ 65   |               |               |               |               |               |  |
|   | Domestic                      | Ambient    | Min.~Max.          | °C    |   |               | -25           | ~ 35          |               |               |  |
| hot water Water side Min.~Max. °C 25~62 |                               |            |                    |       | ~ 62  |               |               |               |               |               |  |
| Sound power level Nom. dBA              |                               |            |                    | dBA   | 44.7  |               |               |               |               |               |  |
| Sound pressure leve                     | Sound pressure level Nom. dBA |            |                    |       | 36.8  |               |               |               |               |               |  |

| Souria pressure ieve                            | ei Nom.            |                    | UDA    | 30.0            |                                   |       |  |  |  |  |
|---|--------------------|--------------------|--------|-----------------|-----------------------------------|-------|--|--|--|--|
| Outdoor Unit                                    |                    |                    | ERRA   | 08EW1           | 10EW1                             | 12EW1 |  |  |  |  |
| Dimensions                                      | Unit               | HeightxWidthxDepth | mm     | 1,003x1,270x533 |                                   |       |  |  |  |  |
| Weight  | Unit               |                    | kg     |                 | 107                               |       |  |  |  |  |
| Compressor                                      | Quantity           |                    |        |                 | 1                                 |       |  |  |  |  |
|   | Туре               |                    |        | Н               | ermetically sealed swing compress | or    |  |  |  |  |
| Operation range                                 | Heating            | Min.~Max.          | °CDB   |                 | -25 ~25                           |       |  |  |  |  |
|   | Domestic hot water | Min.~Max.          | °CDB   |                 | -25 ~35                           |       |  |  |  |  |
| Refrigerant                                     | Туре               |                    |        |                 | R-32                              |       |  |  |  |  |
| _   | GWP                |                    |        |                 | 675                               |       |  |  |  |  |
|   | Charge             |                    | kg     |                 | 3.25                              |       |  |  |  |  |
|   | Charge             |                    | TCO2Eq |                 | 2.19                              |       |  |  |  |  |
|   | Control            |                    |        |                 | Expansion valve                   |       |  |  |  |  |
| LW(A) Sound power lev<br>(according to EN14825) | el                 |                    |        |                 | 56                                |       |  |  |  |  |
| Sound pressure leve<br>(at 1 meter)             | el Nom.            |                    |        |                 | 41.1                              |       |  |  |  |  |
| Power supply                                    | Name/Phase/Freque  | ncy/Voltage        | Hz/V   | V W1/3~/50/400  |                                   |       |  |  |  |  |
| Current   | Recommended fuses  |                    | Α      | 16              |                                   |       |  |  |  |  |
|   |                    |                    |        |                 |                                   |       |  |  |  |  |

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# Daikin Altherma 3 R MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **bivalent** heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source





















| 011 100000               |                       |               |  |            |              |                  |          |            |                |                |               |
|--------------------------|-----------------------|---------------|--|------------|--------------|------------------|----------|------------|----------------|----------------|---------------|
| Efficiency data          |                       |               | ELSHB -                                | ERRA       | 12P30E + 08I | EV3 12P50E + 08I | EV3 12P3 | 0E + 10EV3 | 12P50E + 10EV3 | 12P30E + 12EV3 | 12P50E + 12EV |
| Space heating            | Average               | General       | SCOP                                   |            |              |                  |          | 3.         | 44             |                |               |
| wa<br>out<br>Ave<br>clin | climate<br>water      | -             | ns (Seasonal space heating efficiency) | %          |              | 130              |          | 1:         | 31             | 1              | 35            |
|                          | outlet 55 ℃           |               | Seasonal space heating eff. class      |            |              |                  |          | 4          | <b>T</b> :     |                |               |
|                          | Average climate water | General<br>°C | SCOP                                   | 4.69       |              |                  |          |            | 71             |                |               |
|                          |                       |               | ns (Seasonal space heating efficiency) | %          |              |                  | 184      |            |                | 1              | 86            |
|                          | outlet 35 °C          |               | Seasonal space heating                 | eff. class |              |                  |          | •          | <b>₹</b>       |                |               |
| Domestic hot             | General               | Declared      | load profile                           |            | L            | XL               |          | L          | XL             | L              | XL            |
| water heating            | Average climate       | COP           |  | dhw        | 2.75         | 3.19             |          | 2.75       | 3.19           | 2.75           | 3.19          |
|                          |                       | ŋwh (wate     | er heating efficiency)                 | %          | 116          | 132              |          | 116        | 132            | 116            | 132           |
|                          |                       | Water hea     | ating energy efficien                  | cy class   |              |                  |          | 4          | at j           |                |               |

| Indoor Unit                   |                                      |           |                    | ELSHB | 12P30E        | 12P50E  | 12P30E           | 12P50E          | 12P30E        | 12P50E        |  |  |
|-------------------------------|--------------------------------------|-----------|--------------------|-------|---------------|---|------------------|-----------------|---------------|---------------|--|--|
| Casing                        | Colour                               |           |                    |       |               | Traffic white (RAL9016) / Traffic black (RAL9017) |                  |                 |               |               |  |  |
| _                             | Material                             |           |                    |       |               |   | Impact resistant | t polypropylene |               |               |  |  |
| Dimensions                    | Unit                                 |           | HeightxWidthxDepth | mm    | 1,893x594x680 | 1,910x792x817                                     | 1,893x594x680    | 1,910x792x817   | 1,893x594x680 | 1,910x792x817 |  |  |
| Weight                        | Unit                                 |           |                    | kg    | 76            | 91  | 76               | 91              | 76            | 91            |  |  |
| Tank                          | Water volu                           | ıme       |                    | I     | 294           | 477   | 294              | 477             | 294           | 477           |  |  |
|                               | Maximum water temperature            |           |                    | °C    | 85            |   |                  |                 |               |               |  |  |
| Operation range               | Heating                              | Ambient   | Min.~Max.          | °C    |               | -25 ~25   |                  |                 |               |               |  |  |
|                               |                                      | Waterside | Min.~Max.          | °C    |               | 15 ~65  |                  |                 |               |               |  |  |
|                               | Domestic Ambient Min.~Max. °C -25~35 |           |                    |       | ~35           |   |                  |                 |               |               |  |  |
|                               | hot water                            | Waterside | Min.~Max.          | °C    | °C 25 ~62     |   |                  |                 |               |               |  |  |
| Sound power level             | Nom.                                 |           |                    | dBA   |               |   | 44               | 1.7             |               |               |  |  |
| Sound pressure level Nom. dBA |                                      |           |                    |       |               |   | 36               | 5.8             |               |               |  |  |

| ei Nom.            |  | aba   | 36.8   |  |  |  |  |  |  |
|--------------------|--|---|--|--|--|--|--|--|--|
|                    |  | ERRA  | 08EV3  | 08EV3 10EV3 12EV3  |  |  |  |  |  |
| Unit               | HeightxWidthxDepth   | mm  | mm 1,003x1,270x533   |  |  |  |  |  |  |
| Unit               |  | kg  |  | 107  |  |  |  |  |  |
| Quantity           |  |   |  | 1  |  |  |  |  |  |
| Туре               |  |   | Н  | lermetically sealed swing compresso  | or   |  |  |  |  |
| Heating            | Min.~Max.  | °CDB  |  | -25 ~ 25   |  |  |  |  |  |
| Domestic hot water | Min.~Max.  | °CDB  |  | -25 ~35  |  |  |  |  |  |
| Type               |  |   |  | R-32   |  |  |  |  |  |
| GWP                |  |   |  | 675  |  |  |  |  |  |
| Charge             |  | kg  |  | 3.25   |  |  |  |  |  |
| Charge             |  | TCO2Eq  |  | 2.19   |  |  |  |  |  |
| Control            |  |   |  | Expansion valve  |  |  |  |  |  |
| el                 |  |   |  | 54   |  |  |  |  |  |
| el Nom.            |  |   |  | 40.6   |  |  |  |  |  |
| Name/Phase/Freque  | ncy/Voltage  | Hz/V  | V3/1~/50/230   |  |  |  |  |  |  |
| Recommended fuses  | 5  | Α   | 32   |  |  |  |  |  |  |
|                    | Unit Unit Quantity Type Heating Domestic hot water Type GWP Charge Charge Control el el Nom. Name/Phase/Freque | Unit HeightxWidthxDepth Unit Quantity Type Heating Min.~Max. Domestic hot water Type GWP Charge Charge Control el | Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TCO2Eq Control el Nom. Name/Phase/Frequency/Voltage Hz/V | ERRA 08EV3  Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TCO2Eq Control el Nom. Name/Phase/Frequency/Voltage Hz/V | Lonit         HeightxWidthxDepth         mm         1,003x1,270x533           Unit         HeightxWidthxDepth         107           Quantity         1         1           Type         Hermetically sealed swing compressor           Heating         Min.~Max.         °CDB         -25 ~ 25           Domestic hot water         Min.~Max.         °CDB         -25 ~ 35           Type         R-32         GWP           Charge         kg         3,25           Charge         kg         3,25           Charge         TC02Eq         2,19           Control         Expansion valve           el         Nom.         40.6           Name/Phase/Frequency/Voltage         Hz/V         V3/1~/50/230 |  |  |  |  |

**BLUEVOLUTION** 

011-1W0657 011-1W0658

Average

Efficiency data

Space heating

VRV



# Daikin Altherma 3 R MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar support

- · Integrated solar unit, offering top comfort in heating and hot water
- · Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- · Quick configuration in 9 steps in a high resolution colour interface wizard
- · Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- · Fresh water principle: hygienic water, with no need for thermal legionella disinfection

SCOP

General



















| Indoor Unit                     |                  |           |  | ELSX       | 12P30E | 12P50E | 12P30E | 12P50E | 12P30E | 12P50E |
|---------------------------------|------------------|-----------|--|------------|--------|--------|--------|--------|--------|--------|
|                                 |                  | Water hea | ating energy efficiency                | y class    |        |        |        | ŧ į    |        |        |
|                                 | climate          | ŋwh (wate | er heating efficiency)                 | %          | 119    | 136    | 119    | 136    | 119    | 136    |
| water heating                   | Average          | COP       |  | dhw        | 2.83   | 3.29   | 2.83   | 3.29   | 2.83   | 3.29   |
| Domestic hot                    | General          | Declared  | load profile                           |            | L      | XL     | L      | XL     | L      | XL     |
|                                 | outlet 35 °C     | ·         | Seasonal space heating                 | eff. class |        |        |        | *      |        |        |
|                                 | climate<br>water | . /       | ns (Seasonal space heating efficiency) | %          | 1      | 95     |        | 1      | 96     |        |
|                                 | Average          | General   | SCOP                                   |            | 4      | .95    |        | 4      | .98    |        |
|                                 | outlet 55        |           | Seasonal space heating                 | eff. class |        | 1      | 8      | į      |        |        |
| climate<br>water<br>outlet 55 % |                  | c         | ns (Seasonal space heating efficiency) | %          |        |        | 13     | 36     |        |        |
| Space nearing                   | riverage         | General   | 3001                                   |            |        | . 17   | 3.10   |        |        | 10     |

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| Indoor Unit                    |                              |            |                    | ELSX | 12P30E  | 12P50E                         | 12P30E        | 12P50E        | 12P30E        | 12P50E        |  |  |
|--------------------------------|------------------------------|------------|--------------------|------|---|--------------------------------|---------------|---------------|---------------|---------------|--|--|
| Casing                         | Colour                       |            |                    |      | Traffic white (RAL9016) / Traffic black (RAL9017) |                                |               |               |               |               |  |  |
|                                | Material                     |            |                    |      |   | Impact resistant polypropylene |               |               |               |               |  |  |
| Dimensions                     | Unit                         |            | HeightxWidthxDepth | mm   | 1,893x594x680                                     | 1,910x792x817                  | 1,893x594x680 | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 |  |  |
| Weight                         | Unit                         |            |                    | kg   | 76  | 91                             | 76            | 91            | 76            | 91            |  |  |
| Tank                           | Water volu                   | ıme        |                    | - 1  | 294   | 477                            | 294           | 477           | 294           | 477           |  |  |
|                                | Maximum water temperature °C |            |                    |      | 85  |                                |               |               |               |               |  |  |
| Operation range                | Heating                      | Ambient    | Min.~Max.          | °C   | -25 ~25   |                                |               |               |               |               |  |  |
|                                |                              | Water side | Min.~Max.          | °C   |   |                                | 15 -          | ~65           |               |               |  |  |
|                                | Domestic                     | Ambient    | Min.~Max.          | °C   | -25 ~35   |                                |               |               |               |               |  |  |
| hot water Water side Min.~Max. |                              |            |                    | °C   | 25 ~62  |                                |               |               |               |               |  |  |
| Sound power leve               | Sound power level Nom. dBA   |            |                    |      |   | 44.7                           |               |               |               |               |  |  |
| Sound pressure leve            | ound pressure level Nom. dB/ |            |                    |      |   | 36.8                           |               |               |               |               |  |  |

| Souna pressure leve                              | ei Nom.   |                    | ава    |       | 30.8                                |       |  |  |  |
|--|---|--------------------|--------|-------|-------------------------------------|-------|--|--|--|
| Outdoor Unit                                     |   |                    | ERRA   | 08EW1 | 10EW1                               | 12EW1 |  |  |  |
| Dimensions                                       | Unit  | HeightxWidthxDepth | mm     |       | 1,003x1,270x533                     |       |  |  |  |
| Weight   | Unit  |                    | kg     |       | 107                                 |       |  |  |  |
| Compressor                                       | Quantity  |                    |        |       | 1                                   |       |  |  |  |
|  | Туре  |                    |        | ŀ     | Hermetically sealed swing compresso | or    |  |  |  |
| Operation range                                  | Heating   | Min.~Max.          | °CDB   |       | -25 ~25                             |       |  |  |  |
|  | Domestic hot water                              | Min.~Max.          | °CDB   |       | -25 ~35                             |       |  |  |  |
| Refrigerant                                      | Туре  |                    |        |       | R-32                                |       |  |  |  |
|  | GWP   |                    |        |       | 675                                 |       |  |  |  |
|  | Charge  |                    | kg     |       | 3.25                                |       |  |  |  |
|  | Charge  |                    | TCO2Eq |       | 2.19                                |       |  |  |  |
|  | Control   |                    |        |       | Expansion valve                     |       |  |  |  |
| LW(A) Sound power leve<br>(according to EN14825) | W(A) Sound power level 56 according to EN14825) |                    |        |       |                                     |       |  |  |  |
| Sound pressure level Nom. 41.1 (at 1 meter)      |   |                    |        |       |                                     |       |  |  |  |
| Power supply                                     | Name/Phase/Freque                               | ncy/Voltage        | Hz/V   |       | W1/3~/50/400                        |       |  |  |  |
| Current  | Recommended fuses                               | 3                  | Α      | 16    |                                     |       |  |  |  |

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# Daikin Altherma 3 R MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **heating**, **cooling and hot water** with thermal solar support

- · Integrated solar unit, offering top comfort in heating and hot water
- · Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- · Fresh water principle: hygienic water, with no need for thermal legionella disinfection





















| Efficiency data |                             |           | E   | LSX+ ERRA | 12P30E + 08EV3 | 12P50E+08 | EV3 12P30 | E + 10EV3 | 12P50E + 10EV3 | 12P30E + 12EV3 | 12P50E + 12EV3 |
|-----------------|-----------------------------|-----------|---|-----------|----------------|-----------|-----------|-----------|----------------|----------------|----------------|
| Space heating   | Average                     | General   | SCOP  |           | 3              | .37       |           | 3.3       | 38             | 3.47           |                |
| ·               | climate<br>water            | _         | ns (Seasonal space %<br>heating efficiency) |           |                |           | 132       |           |                | 1              | 36             |
|                 | outlet 55 ℃                 |           | Seasonal space heating eff. class           |           |                |           |           | X         | 1              |                |                |
|                 | Average<br>climate<br>water | General   | SCOP  |           | 4              | 4.79      |           |           |                | 82             |                |
|                 |                             |           | ns (Seasonal space %<br>heating efficiency) |           | 1              | 88        |           |           | 19             | 90             |                |
|                 | outlet 35 °C                |           | Seasonal space heating eff. class           |           | 3              |           |           | K         | 1              |                |                |
| Domestic hot    | General                     | Declared  | load profile                                |           | L              | XL        |           | L         | XL             | L              | XL             |
| water heating   | Average climate             | COP       |   | dhw       | 2.75           | 3.19      |           | 2.75      | 3.19           | 2.75           | 3.19           |
|                 |                             | ŋwh (wate | er heating efficie                          | ncy) %    | 116            | 132       |           | 116       | 132            | 116            | 132            |
| 0               |                             | Water he  | er heating energy efficiency class          |           |                |           |           | (A        | Ī              |                |                |

| Indoor Unit                    |                               |            |                    | ELSX | 12P30E  | 12P50E                         | 12P30E        | 12P50E        | 12P30E        | 12P50E        |  |  |  |
|--------------------------------|-------------------------------|------------|--------------------|------|---|--------------------------------|---------------|---------------|---------------|---------------|--|--|--|
| Casing                         | Colour                        |            |                    |      | Traffic white (RAL9016) / Traffic black (RAL9017) |                                |               |               |               |               |  |  |  |
|                                | Material                      |            |                    |      |   | Impact resistant polypropylene |               |               |               |               |  |  |  |
| Dimensions                     | Unit                          |            | HeightxWidthxDepth | mm   | 1,893x594x680                                     | 1,910x792x817                  | 1,893x594x680 | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 |  |  |  |
| Weight                         | Unit                          |            |                    | kg   | 76  | 91                             | 76            | 91            | 76            | 91            |  |  |  |
| Tank                           | Water volu                    | ıme        |                    | - 1  | 294   | 477                            | 294           | 477           | 294           | 477           |  |  |  |
|                                | Maximum water temperature °C  |            |                    | 85   |   |                                |               |               |               |               |  |  |  |
| Operation range                | Heating                       | Ambient    | Min.~Max.          | °C   |   | -25 ~25                        |               |               |               |               |  |  |  |
|                                |                               | Water side | Min.~Max.          | °C   |   |                                | 15 -          | -65           |               |               |  |  |  |
|                                | Domestic                      | Ambient    | Min.~Max.          | °C   |   |                                | -25           | ~35           |               |               |  |  |  |
| hot water Water side Min.~Max. |                               |            |                    | °C   | 25 ~62  |                                |               |               |               |               |  |  |  |
| Sound power leve               | Sound power level Nom. dB/    |            |                    |      |   | 44.7                           |               |               |               |               |  |  |  |
| Sound pressure leve            | Sound pressure level Nom. dBA |            |                    |      |   | 36.8                           |               |               |               |               |  |  |  |

| nom.               |  | ава  |  | 30.8  |  |  |  |  |  |  |  |
|--------------------|--|--|--|---|--|--|--|--|--|--|--|
|                    |  | ERRA   | 08EV3  | 10EV3   | 12EV3  |  |  |  |  |  |  |
| Unit               | HeightxWidthxDepth   | mm   |  | 1,003x1,270x533   |  |  |  |  |  |  |  |
| Unit               |  | kg   |  | 107   |  |  |  |  |  |  |  |
| Quantity           |  |  |  | 1   |  |  |  |  |  |  |  |
| Туре               |  |  | H  | ermetically sealed swing compresso  | r  |  |  |  |  |  |  |
| Heating            | Min.~Max.  | °CDB   |  | -25 ~25   |  |  |  |  |  |  |  |
| Domestic hot water | Min.~Max.  | °CDB   |  | -25 ~35   |  |  |  |  |  |  |  |
| Туре               |  |  |  | R-32  |  |  |  |  |  |  |  |
| GWP                |  |  |  | 675   |  |  |  |  |  |  |  |
| Charge             |  | kg   |  | 3.25  |  |  |  |  |  |  |  |
| Charge             |  | TCO2Eq   |  | 2.19  |  |  |  |  |  |  |  |
| Control            |  |  |  | Expansion valve   |  |  |  |  |  |  |  |
|                    | 54   |  |  |   |  |  |  |  |  |  |  |
| Nom.               |  |  | 40.6   |   |  |  |  |  |  |  |  |
| Name/Phase/Frequer | ncy/Voltage  | Hz/V   |  | V3/1~/50/230  |  |  |  |  |  |  |  |
| Recommended fuses  |  | Α  | 32   |   |  |  |  |  |  |  |  |
|                    | Unit Quantity Type Heating Domestic hot water Type GWP Charge Charge Control  Nom. | Unit Quantity Type Heating Min.~Max. Domestic hot water Min.~Max. Type GWP Charge Charge Control | Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TC02Eq Control  Nom. Name/Phase/Frequency/Voltage Hz/V | Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TCO2Eq Control  Nom.  Name/Phase/Frequency/Voltage Hz/V | Unit         HeightxWidthxDepth         mm         1,003x1,270x533           Unit         kg         107           Quantity         1         1           Type         Hermetically sealed swing compresso           Heating         Min.~Max.         °CDB         -25 ~25           Domestic hot water         Min.~Max.         °CDB         -25 ~35           Type         R-32         GWP           GWP         675         GCharge           Charge         kg         3.25           Charge         TCO2Eq         2.19           Control         Expansion valve           54         Nom.           Name/Phase/Frequency/Voltage         Hz/V         V3/1~/50/230 |  |  |  |  |  |  |

011-1W0657

011-1W0658

VRV

# Daikin Altherma 3 R MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source



















| Efficiency data |                                  |           | EL:                                 | SXB+ ERRA         | 12P30E + 08E | W1 12P50E + 08EW1 | 12P30E + 10EW1 | 12P50E + 10EW1 | 12P30E + 10EW1 | 12P50E + 10EW1 |
|-----------------|----------------------------------|-----------|-------------------------------------|-------------------|--------------|-------------------|----------------|----------------|----------------|----------------|
| Space heating   | Average                          | General   | SCOP                                |                   |              | 3.47              | 3.             | 48             | 3              | .48            |
| <b>*</b>        | climate<br>water                 | _         | ns (Seasonal sp<br>heating efficier |                   |              |                   | 1.             | 36             |                |                |
|                 | outlet 55 °C                     | -         | Seasonal space heating eff. class   |                   |              |                   |                | <b>e</b> (2)   |                |                |
|                 | Average                          | General   | SCOP                                |                   |              | 4.95              |                | 4.             | 98             |                |
|                 | climate<br>water<br>outlet 35 °C |           | ns (Seasonal sp<br>heating efficier |                   |              | 195               |                | 19             | 96             |                |
|                 |                                  | - 4       | Seasonal space h                    | eating eff. class | 3            |                   | 4              | <b>**</b> §    |                |                |
| Domestic hot    | General                          | Declared  | load profile                        |                   | L            | XL                | L              | XL             | L              | XL             |
| water heating   | Average                          | COP       |                                     | dhw               | 2.83         | 3.29              | 2.83           | 3.29           | 2.83           | 3.29           |
| <b>~</b>        | climate                          | ŋwh (wate | r heating efficier                  | ncy) %            | 119          | 136               | 119            | 136            | 119            | 136            |
| 0               |                                  | Water hea | er heating energy efficiency class  |                   |              |                   |                | <b>₹</b> }     |                |                |

| Indoor Unit                    |                           |            |                    | ELSXB | 12P30E  | 12P50E                         | 12P30E        | 12P50E        | 12P30E        | 12P50E        |  |  |
|--------------------------------|---------------------------|------------|--------------------|-------|---|--------------------------------|---------------|---------------|---------------|---------------|--|--|
| Casing                         | Colour                    |            |                    |       | Traffic white (RAL9016) / Traffic black (RAL9017) |                                |               |               |               |               |  |  |
|                                | Material                  |            |                    |       |   | Impact resistant polypropylene |               |               |               |               |  |  |
| Dimensions                     | Unit                      |            | HeightxWidthxDepth | mm    | 1,893x594x680                                     | 1,910x792x817                  | 1,893x594x680 | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 |  |  |
| Weight                         | Unit                      |            |                    | kg    | 76  | 91                             | 76            | 91            | 76            | 91            |  |  |
| Tank                           | Water volu                | ıme        |                    | - 1   | 294   | 477                            | 294           | 477           | 294           | 477           |  |  |
|                                | Maximum water temperature |            |                    | °C    | 85  |                                |               |               |               |               |  |  |
| Operation range                | Heating                   | Ambient    | Min.~Max.          | °C    | -25 ~25   |                                |               |               |               |               |  |  |
|                                |                           | Water side | Min.~Max.          | °C    |   |                                | 15 -          | -65           |               |               |  |  |
|                                | Domestic                  | Ambient    | Min.~Max.          | °C    |   |                                | -25           | ~35           |               |               |  |  |
| hot water Water side Min.~Max. |                           |            |                    | °C    |   |                                | 25            | ~62           |               |               |  |  |
| Sound power leve               | Sound power level Nom. d  |            |                    |       |   | 44.7                           |               |               |               |               |  |  |
| Sound pressure level Nom. d    |                           |            |                    |       | 36.8  |                                |               |               |               |               |  |  |

| ei inom.                               |  | UDA  |  | 30.8   |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|
|  |  | ERRA   | 08EW1  | 10EW1  | 12EW1  |  |  |  |  |  |
| Unit                                   | HeightxWidthxDepth   | mm   |  | 1,003x1,270x533  |  |  |  |  |  |  |
| Unit                                   |  | kg   |  | 107  |  |  |  |  |  |  |
| Quantity                               |  |  |  | 1  |  |  |  |  |  |  |
| Туре                                   |  |  | Н  | ermetically sealed swing compress  | or   |  |  |  |  |  |
| Heating                                | Min.~Max.  | °CDB   |  | -25 ~25  |  |  |  |  |  |  |
| Domestic hot water                     | Min.~Max.  | °CDB   |  | -25 ~35  |  |  |  |  |  |  |
| Туре                                   |  |  | R-32   |  |  |  |  |  |  |  |
| GWP                                    |  |  |  | 675  |  |  |  |  |  |  |
| Charge                                 |  | kg   |  | 3.25   |  |  |  |  |  |  |
| Charge                                 |  | TCO2Eq   |  | 2.19   |  |  |  |  |  |  |
| Control                                |  |  |  | Expansion valve  |  |  |  |  |  |  |
| Sound power level 56 rding to EN14825) |  |  |  |  |  |  |  |  |  |  |
| el Nom.                                |  |  |  | 41.1   |  |  |  |  |  |  |
| Name/Phase/Freque                      | ncy/Voltage  | Hz/V   |  | W1/3~/50/400   |  |  |  |  |  |  |
| Recommended fuses                      | -  | Α  | 16   |  |  |  |  |  |  |  |
|  | Unit Unit Quantity Type Heating Domestic hot water Type GWP Charge Control | Unit HeightxWidthxDepth Unit Quantity Type Heating Min.~Max. Domestic hot water Type GWP Charge Charge Control | Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TCO2Eq Control | ERRA 08EW1  Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TCO2Eq Control | Lonit         Heightx/WidthxDepth         mm         1,003x1,270x533           Unit         kg         107           Quantity         1         1           Type         Hermetically sealed swing compress           Heating         Min.~Max.         °CDB         -25 -25           Domestic hot water         Min.~Max.         °CDB         -25 ~35           Type         R-32         GWP           GWP         675         GTS           Charge         kg         3.25           Charge         TCO2Eq         2.19           Control         Expansion valve           El Nom.         41.1           Name/Phase/Frequency/Voltage         Hz/V         W1/3~/50/400 |  |  |  |  |  |





# Daikin Altherma 3 R MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source





















| Efficiency data |                             |                                       |   | ELSXB+ ERRA | 12P30E + 08EV | 3 12P50E + 08 | EV3 12P30 | E + 10EV3 12 | 2P50E + 10EV3 | 12P30E + 12EV3 | 12P50E + 12EV3 |
|-----------------|-----------------------------|---------------------------------------|---|-------------|---------------|---------------|-----------|--------------|---------------|----------------|----------------|
| Space heating   | Average                     | General                               | SCOP  |             | 3             | 3.37          |           | 3.38         | 1             | 3.4            | 47             |
|                 | climate<br>water            | -                                     | ns (Seasona<br>heating effi                 |             |               |               | 132       |              |               | 13             | 36             |
|                 | outlet 55 ℃                 |                                       | Seasonal space heating eff. class           |             |               |               |           | (Rî          | ]             |                |                |
|                 | Average<br>climate<br>water | General                               | SCOP  |             | 4.79          |               |           | 4.82         |               |                |                |
|                 |                             |                                       | ns (Seasonal space %<br>heating efficiency) |             | 3,17          | 188           |           |              | 19            | 90             |                |
|                 | outlet 35 ℃                 |                                       | Seasonal space heating eff. class           |             | 3             |               |           | A" E         | ]             |                |                |
| Domestic hot    | General                     | Declared                              | load profile                                |             | L             | XL            |           | L            | XL            | L              | XL             |
| water heating   | Average climate             | COP                                   |   | dhw         | 2.75          | 3.19          |           | 2.75         | 3.19          | 2.75           | 3.19           |
|                 |                             |                                       | ater heating efficiency) %                  |             | 116           | 132           |           | 116          | 132           | 116            | 132            |
| 0               |                             | Water heating energy efficiency class |   |             |               |               | (R)       |              |               |                |                |

| Indoor Unit                             |            |                           |                    | ELSXB | 12P30E  | 12P50E        | 12P30E        | 12P50E        | 12P30E        | 12P50E        |  |  |
|---|------------|---------------------------|--------------------|-------|---|---------------|---------------|---------------|---------------|---------------|--|--|
| Casing                                  | Colour     |                           |                    |       | Traffic white (RAL9016) / Traffic black (RAL9017) |               |               |               |               |               |  |  |
|   | Material   |                           |                    |       | Impact resistant polypropylene                    |               |               |               |               |               |  |  |
| Dimensions                              | Unit       |                           | HeightxWidthxDepth | mm    | 1,893x594x680                                     | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 | 1,893x594x680 | 1,910x792x817 |  |  |
| Weight                                  | Unit       |                           |                    | kg    | 76  | 91            | 76            | 91            | 76            | 91            |  |  |
| Tank                                    | Water volu | ume                       |                    | - 1   | 294   | 477           | 294           | 477           | 294           | 477           |  |  |
|   | Maximum    | Maximum water temperature |                    |       | 85  |               |               |               |               |               |  |  |
| Operation range                         | Heating    | Ambient                   | Min.~Max.          | °C    | -25 ~25   |               |               |               |               |               |  |  |
|   |            | Water side                | Min.~Max.          | °C    | 15~65   |               |               |               |               |               |  |  |
|   | Domestic   | Ambient                   | Min.~Max.          | °C    |   |               | -25           | ~35           |               |               |  |  |
| hot water Water side Min.~Max. °C 25~62 |            |                           |                    |       |   |               |               |               |               |               |  |  |
| Sound power level Nom. dBA              |            |                           |                    |       | 44.7  |               |               |               |               |               |  |  |
| Sound pressure level Nom. dBA           |            |                           |                    |       | 36.8  |               |               |               |               |               |  |  |

| nom.               |  | ава  |  | 30.8  |  |  |  |  |  |  |  |
|--------------------|--|--|--|---|--|--|--|--|--|--|--|
|                    |  | ERRA   | 08EV3  | 10EV3   | 12EV3  |  |  |  |  |  |  |
| Unit               | HeightxWidthxDepth   | mm   |  | 1,003x1,270x533   |  |  |  |  |  |  |  |
| Unit               |  | kg   |  | 107   |  |  |  |  |  |  |  |
| Quantity           |  |  |  | 1   |  |  |  |  |  |  |  |
| Туре               |  |  | H  | ermetically sealed swing compresso  | r  |  |  |  |  |  |  |
| Heating            | Min.~Max.  | °CDB   |  | -25 ~25   |  |  |  |  |  |  |  |
| Domestic hot water | Min.~Max.  | °CDB   |  | -25 ~35   |  |  |  |  |  |  |  |
| Туре               |  |  |  | R-32  |  |  |  |  |  |  |  |
| GWP                |  |  |  | 675   |  |  |  |  |  |  |  |
| Charge             |  | kg   |  | 3.25  |  |  |  |  |  |  |  |
| Charge             |  | TCO2Eq   |  | 2.19  |  |  |  |  |  |  |  |
| Control            |  |  |  | Expansion valve   |  |  |  |  |  |  |  |
|                    | 54   |  |  |   |  |  |  |  |  |  |  |
| Nom.               |  |  | 40.6   |   |  |  |  |  |  |  |  |
| Name/Phase/Frequer | ncy/Voltage  | Hz/V   |  | V3/1~/50/230  |  |  |  |  |  |  |  |
| Recommended fuses  |  | Α  | 32   |   |  |  |  |  |  |  |  |
|                    | Unit Quantity Type Heating Domestic hot water Type GWP Charge Charge Control  Nom. | Unit Quantity Type Heating Min.~Max. Domestic hot water Min.~Max. Type GWP Charge Charge Control | Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TC02Eq Control  Nom. Name/Phase/Frequency/Voltage Hz/V | Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min.~Max. °CDB Domestic hot water Min.~Max. °CDB Type GWP Charge kg Charge TCO2Eq Control  Nom.  Name/Phase/Frequency/Voltage Hz/V | Unit         HeightxWidthxDepth         mm         1,003x1,270x533           Unit         kg         107           Quantity         1         1           Type         Hermetically sealed swing compresso           Heating         Min.~Max.         °CDB         -25 ~25           Domestic hot water         Min.~Max.         °CDB         -25 ~35           Type         R-32         GWP           GWP         675         GCharge           Charge         kg         3.25           Charge         TCO2Eq         2.19           Control         Expansion valve           54         Nom.           Name/Phase/Frequency/Voltage         Hz/V         V3/1~/50/230 |  |  |  |  |  |  |

Split

VRV





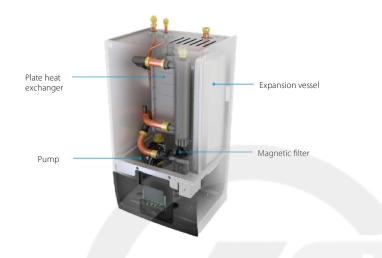






#### Wall mounted unit

This model is the most compact unit for heating and cooling with high flexibility for a quick and easy installation, with an optional connection to domestic hot water.





**BLUEVOLUTION** 

Wall mounted heating only air-to-water heat pump: EBBH units Wall mounted reversible air-to-water heat pump: EBBX units







#### Daikin Altherma 3 R MT W

Wall mounted heating only air to water heat pump

- Quick configuration in 9 steps in a high resolution colour interface wizard
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



















ERRA08-12EW1



| Efficiency data |                             |              | ELBH +                                    | ERRA       | 12E6V/9W +<br>08EW1 | 12E6V/9W +<br>08EV3 | 12E6V/9W +<br>10EW1 | 12E6V/9W +<br>10EV3                          | 12E6V/9W +<br>12EW1 | 12E6V/9W +<br>12EV3 |
|-----------------|-----------------------------|--------------|---|------------|---------------------|---------------------|---------------------|--|---------------------|---------------------|
| Space heating   | climate<br>water            | General      | SCOP                                      | 100        | 3.42                | 3.42                | 3.42                | 3.42   | 3.42                | 3.42                |
|                 |                             |              | ns (Seasonal space heating efficiency)    | %          | 134                 | 130                 | 134                 | 131  | 138                 | 135                 |
|                 | outlet 55 ℃                 |              | Seasonal space heating                    | eff. class |                     |                     | 4                   | ₹ (1)  |                     |                     |
|                 | Average<br>climate<br>water | General<br>℃ | SCOP                                      |            | 4.81                | 4.69                | 4.84                | 4.71   | 4.84                | 4.71                |
|                 |                             |              | ns (Seasonal space<br>heating efficiency) | %          | 190                 | 184                 | 191                 | 186  | 191                 | 186                 |
|                 | outlet 35 °C                |              | Seasonal space heating                    | eff. class |                     |                     | 4                   | <u>r                                    </u> |                     |                     |

| Indoor Unit            |          |            |                    | ELBH | 12E6V         | 12E9W       | 12E6V     | 12E9W     | 12E6V | 12E9W |  |  |
|------------------------|----------|------------|--------------------|------|---------------|-------------|-----------|-----------|-------|-------|--|--|
| Casing                 | Colour   |            |                    |      | White + Black |             |           |           |       |       |  |  |
|                        | Material |            |                    |      |               | J.          | Resin, sh | eet metal |       |       |  |  |
| Dimensions             | Unit     |            | HeightxWidthxDepth | mm   |               | 840x440x390 |           |           |       |       |  |  |
| Weight                 | Unit     |            |                    | kg   |               | 48.5        |           |           |       |       |  |  |
| Operation range        | Heating  | Ambient    | Min.~Max.          | °C   |               |             | -25       | ~ 25      |       |       |  |  |
|                        |          | Water side | Min.~Max.          | °C   |               |             | 15 ·      | ~ 65      |       |       |  |  |
|                        |          | Ambient    | Min.~Max.          | °C   |               |             | -25       | ~ 35      |       |       |  |  |
|                        |          | Water side | Min.~Max.          | °C   | 25 ~ 62       |             |           |           |       |       |  |  |
| Sound power level Nom. |          |            |                    | dBA  | A 44          |             |           |           |       |       |  |  |
| Sound pressure leve    | el Nom.  |            |                    | dBA  | 30            |             |           |           |       |       |  |  |

| 30unu pressure ieve                                     | el NOIII.   |                    | UDA                                  | 30           |                 |              |              |              |              |  |  |  |
|---|---|--------------------|--------------------------------------|--------------|-----------------|--------------|--------------|--------------|--------------|--|--|--|
| Outdoor Unit  |   |                    | ERRA                                 | 08EW1        | 08EV3           | 10EW1        | 10EV3        | 12EW1        | 12EV3        |  |  |  |
| Dimensions  | Unit  | HeightxWidthxDepth | mm                                   |              | 1,003x1,270x533 |              |              |              |              |  |  |  |
| Weight  | Unit  | kg 107             |                                      |              |                 |              |              |              |              |  |  |  |
| Compressor  | Quantity  |                    |                                      | 1            |                 |              |              |              |              |  |  |  |
|   | Туре  |                    | Hermetically sealed swing compressor |              |                 |              |              |              |              |  |  |  |
| Operation range   | Heating   | Min.~Max.          | °CDB                                 | -25 ~ 25     |                 |              |              |              |              |  |  |  |
|   | Domestic hot water Min.~Max.                                  |                    | °CDB                                 |              | -25 ~ 35        |              |              |              |              |  |  |  |
| Refrigerant   | Type  |                    | R-32                                 |              |                 |              |              |              |              |  |  |  |
|   | GWP   |                    |                                      | 675          |                 |              |              |              |              |  |  |  |
|   | Charge  | kg                 | 3.25                                 |              |                 |              |              |              |              |  |  |  |
|   | Charge  | TCO2Eq             | 2.19                                 |              |                 |              |              |              |              |  |  |  |
|   | Control   |                    | Expansion valve                      |              |                 |              |              |              |              |  |  |  |
| LW(A) Sound<br>power level<br>(according to<br>EN14825) |   |                    |                                      | 56           | 54              | 56           | 54           | 56           | 54           |  |  |  |
| Sound pressure leve<br>(at 1 meter)                     | ording to 50 54 56 1825) and pressure level Nom. 411 40.6 411 |                    |                                      |              |                 | 40.6         | 41.1         | 40.6         |              |  |  |  |
| Power supply  | Name/Phase/Freque   | ncy/Voltage        | Hz/V                                 | W1/3~/50/400 | V3/1~/50/230    | W1/3~/50/400 | V3/1~/50/230 | W1/3~/50/400 | V3/1~/50/230 |  |  |  |
| Current   | Recommended fuses   |                    | Α                                    | 16           | 32              | 16           | 32           | 16           | 32           |  |  |  |

# ems Re

#### Daikin Altherma 3 R MT W

Wall mounted **reversible** air to water heat pump for heating and cooling

- Quick configuration in 9 steps in a high resolution colour interface wizard
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances













Space heating









|                  |         | ELBX +                                    | ERRA | 12E6V/9W +<br>08EW1 | 12E6V/9W<br>+ 08EV3 | 12E6V/9W +<br>10EW1 | 12E6V/9W +<br>10EV3 | 12E6V/9W +<br>12EW1 | 12E6V/9W +<br>12EV3 |
|------------------|---------|---|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Average          | General | SCOP                                      | 1    | 3.47                | 3.37                | 3.48                | 3.38                | 3.58                | 3.47                |
| climate<br>water |         | ns (Seasonal space<br>heating efficiency) | %    | 136                 | 132                 | 136                 | 132                 | 140                 | 136                 |

Seasonal space heating eff. class SCOP 4.95 4.79 4.98 4.82 4.98 4.82 Average General climate ns (Seasonal space 190 195 188 196 190 196 water heating efficiency) outlet 35 °C Seasonal space heating eff. class AT ?

| Indoor Unit            |          |            |                    | ELBX | 12E6V              | 12E9W       | 12E6V | 12E9W | 12E6V | 12E9W |  |  |
|------------------------|----------|------------|--------------------|------|--------------------|-------------|-------|-------|-------|-------|--|--|
| Casing                 | Colour   |            |                    |      | White + Black      |             |       |       |       |       |  |  |
|                        | Material |            |                    |      | Resin, sheet metal |             |       |       |       |       |  |  |
| Dimensions             | Unit     |            | HeightxWidthxDepth | mm   |                    | 840x440x390 |       |       |       |       |  |  |
| Weight                 | Unit     |            |                    | kg   |                    | 48.5        |       |       |       |       |  |  |
| Operation range        | Heating  | Ambient    | Min.~Max.          | °C   |                    |             | -25   | ~25   |       |       |  |  |
|                        |          | Water side | Min.~Max.          | °C   |                    |             | 15    | ~65   |       |       |  |  |
|                        |          | Ambient    | Min.~Max.          | °C   |                    |             | -25   | ~35   |       |       |  |  |
|                        |          | Water side | Min.~Max.          | °C   | 25 ~62             |             |       |       |       |       |  |  |
| Sound power level Nom. |          |            | dBA                | 44   |                    |             |       |       |       |       |  |  |
| Sound pressure leve    | el Nom.  |            |                    | dBA  | 30                 |             |       |       |       |       |  |  |

| Journa pressure lev                                     | a pressure rever Norm. |                    |          |                                      |                 |              |              |              |              |  |  |  |
|---|------------------------|--------------------|----------|--------------------------------------|-----------------|--------------|--------------|--------------|--------------|--|--|--|
| Outdoor Unit  |                        |                    | ERRA     | 08EW1                                | 08EV3           | 10EW1        | 10EV3        | 12EW1        | 12EV3        |  |  |  |
| Dimensions  | Unit                   | HeightxWidthxDepth | mm       | 1,003x1,270x533                      |                 |              |              |              |              |  |  |  |
| Weight  | Unit                   |                    | kg       | 107                                  |                 |              |              |              |              |  |  |  |
| Compressor  | Quantity               |                    | 1        |                                      |                 |              |              |              |              |  |  |  |
|   | Туре                   |                    |          | Hermetically sealed swing compressor |                 |              |              |              |              |  |  |  |
| Operation range   | Heating                | °CDB               | -25 ~ 25 |                                      |                 |              |              |              |              |  |  |  |
|   | Domestic hot water     | °CDB               | -25 ~ 35 |                                      |                 |              |              |              |              |  |  |  |
| Refrigerant   | Type                   |                    |          | R-32                                 |                 |              |              |              |              |  |  |  |
|   | GWP                    |                    | 675      |                                      |                 |              |              |              |              |  |  |  |
|   | Charge                 | kg                 | 3.25     |                                      |                 |              |              |              |              |  |  |  |
|   | Charge                 | TCO2Eq             | 2.19     |                                      |                 |              |              |              |              |  |  |  |
|   | Control                | Control            |          |                                      | Expansion valve |              |              |              |              |  |  |  |
| LW(A) Sound<br>power level<br>(according to<br>EN14825) |                        |                    |          | 56                                   | 54              | 56           | 54           | 56           | 54           |  |  |  |
| Sound pressure lev<br>(at 1 meter)                      | el Nom.                |                    |          | 41.1                                 | 40.6            | 41.1         | 40.6         | 41.1         | 40.6         |  |  |  |
| Power supply  | Name/Phase/Freque      | ncy/Voltage        | Hz/V     | W1/3~/50/400                         | V3/1~/50/230    | W1/3~/50/400 | V3/1~/50/230 | W1/3~/50/400 | V3/1~/50/230 |  |  |  |
| Current   | Recommended fuse:      | S                  | Α        | 16                                   | 32              | 16           | 32           | 16           | 32           |  |  |  |
|   |                        |                    |          |                                      |                 |              |              |              |              |  |  |  |