

ALTHERMA 3 - H W SERIES



Perfecting the Air



IDEAL FOR LOW ENERGY HOMES



HEAT PUMP TECHNOLOGY USES WATER TO EFFICIENTLY HEAT AND COOL YOUR HOME



COMPATIBLE WITH HOT WATER HEATING AND EXISTING CONVECTION HEATING SYSTEMS



HYDRO SPLIT TYPE HOT WATER HEAT PUMP

ALTHERMA 3 H W DESIGNED FOR THE FUTURE

EABH-DF6VF + EPGA-DAV37 Series

Ideal for those looking for energy efficient air-to-water heat pump hydronic home heating solutions for larger homes

By using **renewable energy** from the outside air to heat water, the Altherma 3H hot water heat pump offers greener, more energy efficient home heating with the option to heat your hot water supply too. Featuring a range of larger capacities to suit most homes, it's the ideal solution for those looking to heat their homes by harnessing the power of water.



HIGH PERFORMANCE

Delivering temperatures up to 60 °C at high efficiency, the R-32 Daikin Altherma 3 H is suitable for both underfloor heating, radiators and convectors. Retaining its pedigree trademark in frost protection down to -28 °C, ensuring reliable operation even in the coldest climates. The optimal combination technology offers the highest performance:

- Heating efficiency up to a COP of 5.15 (at 7 °C/35 °C)

Available in 11 kW.



The Greener Choice

Altherma Heating Systems harness the power of water and renewable energy for efficient, future thinking hot water and home heating solutions.

11.1kW
-TO-
16.5kW **3**
RATED HEATING CAPACITIES OUTDOOR MODELS



(OPTIONAL)



FLEXIBILITY TO PROVIDE DOMESTIC HOT WATER

If the end user requires hot water and installation height is limited, a separate tank can provide the required installation flexibility.



EASY TO CONTROL

The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressors maximises the efficiency of the R-32 Daikin Altherma 3 H at each outdoor temperature, assuring consistent room temperatures at all times.

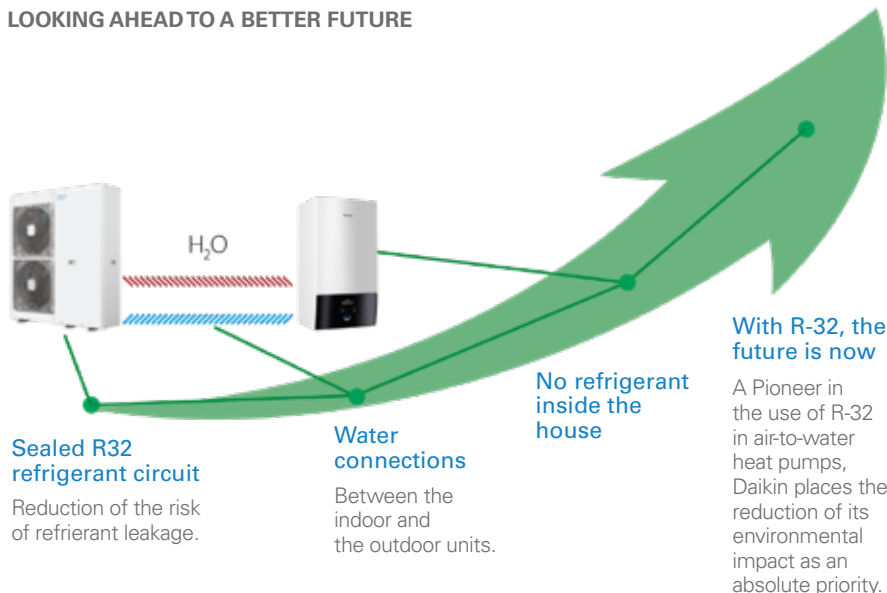


EASY TO INSTALL

Delivered ready to work: all key hydraulic elements are already factory mounted. The new design enables that all servicing can be done from the front and all piping can be accessed at the top of the unit. Stylish modern indoor unit outlook. The outdoor unit is tested and charged with refrigerant, installation time is reduced.

Note: Cooling operation is available and requires an optional kit.

THE HYDROPLIT CONCEPT
LOOKING AHEAD TO A BETTER FUTURE



Higher performances
Leaving water temperature

With a leaving water temperature of 60 °C at -10 °C outside, the Daikin Altherma 3 H 11-14-16 kW is perfect:

- For new build applications using underfloor heating
- For renovation applications using radiators and convectors.

Top energy performances

Thanks to the use of R-32, the unit reaches the highest energy performances.

Gas injection advantage
Higher capacity at low ambient

The Daikin Daikin Altherma 3 H 11-14-16 kW outdoor unit is equipped with a new gas injection scroll compressor allowing the unit to operate down to -28 °C outside temperature.

Moreover, the heating capacity at low ambient temperature (-7/35 °C) sees an improvement of 35% compared to its predecessor.

Convenient for sensitive urban areas

Low sound installer setting

In order to fulfill the requirements of the most sound sensitive urban areas, the installer can set up the unit in low sound mode that reduce the sound level by -3 dB(A).

Daikin Altherma 3 H
11-14-16 kW outdoor unit

The outdoor unit EPGA-D is available in size 11-14-16 kW 1 phase and is connectable to:

- EAB(H)-D wall mounted indoor units



ADVANCED USER INTERFACE

The Daikin Eye

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



Blue

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



Red

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



Quick to configure

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

Easy operation

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

Beautiful design

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

MULTIPLE TANK SOLUTIONS, INFINITE POSSIBILITIES

Connect your Daikin Altherma 3 wall mounted unit with a stainless steel tank to achieve efficient domestic hot water heating production.*

FLEXIBILITY IN PROVIDING DOMESTIC HOT WATER

HEATING ONLY MODELS - EABH-D

The heating only Daikin Altherma 3 H models provide domestic hot water and space heating in an efficient way.



COOLING IS ALSO AVAILABLE WITH THE ADDITION OF AN OPTIONAL KIT

Additionally to its core heating function, Daikin Altherma 3 H can provide cooling during warmer times.

This cooling function is working via emitters such as an underfloor system or a fancoil convector (HPC).



Fancoil Convector (HPC)



Under floor system



*System allows connection with 3rd party hot water tanks with sensor pocket or with built-in thermostat.



EPGA-DAV37



EABH-DF6VF



BRC1HHDS
(Optional)



* Maximum leaving water temperature
** Minimum ambient temperature of operation

SPECIFICATIONS

| MODEL | | EABH (Indoor Unit) + EPGA (Outdoor Unit) | | 16DF6V7 + 11DAV37 | 16DF6V7 + 14DAV37 | 16DF6V7 + 16DAV37 | |
|---------------------------|-----------------------------|--|-------------------------|---------------------|---------------------------------------|---------------------|---------------------|
| Heating Capacity | Nom. | | | kW | 11.1 ⁽¹⁾ | 14.5 ⁽¹⁾ | 16.5 ⁽¹⁾ |
| Power Input | Heating | Nom. | | kW | 2.16 ⁽¹⁾ | 2.91 ⁽¹⁾ | 3.45 ⁽¹⁾ |
| Efficiency | COP | | | | 5.15 ⁽¹⁾ | 4.99 ⁽¹⁾ | 4.78 ⁽¹⁾ |
| Indoor Unit EABH16DA6V | Casing | Colour | White + Black | | | | |
| | | Material | Resin sheet metal | | | | |
| | Dimensions | Unit (Height x Width x Depth) | mm | 840 x 440 x 390 | | | |
| | Weight | Unit | kg | 38 | | | |
| | Operation range | Heating | Water side (Min.- Max.) | °C | 15-60 | | |
| | | Domestic hot water | Water side (Min.- Max.) | °C | 25-75 | | |
| | Sound power level | Nom. | | dB(A) | 44 | | |
| Sound pressure level | Nom. | | dB(A) | 30 | | | |
| | | | | 11DAV3 | 14DAV3 | 16DAV3 | |
| Outdoor Unit EPGA | Dimensions | Unit (Height x Width x Depth) | mm | 1,440 x 1,160 x 380 | | | |
| | Weight | Unit | kg | 143 | | | |
| | Compressor | Quantity | | | 1 | | |
| | | Type | | | Hermetically sealed scroll compressor | | |
| | Operation range | Cooling | Min.-Max. | °CDB | 10-43 | | |
| | | Domestic hot water | Min.-Max. | °CDB | -28-35 | | |
| | Refrigerant | Type | | | R-32 | | |
| | | GWP | | | 675.0 | | |
| | | Charge | | kg | 3.50 | | |
| | | Control | | | Expansion valve | | |
| | Sound power level | Heating | Nom. | dB(A) | 64 | 66 | |
| | | Cooling | Nom. | dB(A) | 68 | | |
| | Sound pressure level | Heating | Nom. | dB(A) | 48 | 49 | 52 |
| Cooling | | Nom. | dB(A) | 55 | | | |
| Power supply | Phase / Frequency / Voltage | | Hz / V | 50 / 230 | | | |
| Current | Recommended fuses | | A | 32 | | | |

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C)

Notes: The specifications, designs & information in this flyer are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this flyer may vary slightly.

Your Local Daikin Specialist Dealer:



daikin.co.nz