

# Air Cooled Chillers

A quiet, efficient and flexible solution for your business.



QUIET OPERATION  
EFFICIENT  
FLEXIBLE & EASY TO INSTALL  
COOL ONLY OR HEAT PUMP  
STOCKED IN AUSTRALIA

## A unique solution

Daikin's air cooled chillers offer the ultimate in flexibility and control. With low operating noise and easy maintenance, our chillers provide an indoor environment that is comfortable, clean and consistent.

These chillers are able to operate all year round because they can accommodate a wide range of outdoor temperatures.

## Applications

With thousands of these units being used around the world, our air cooled chillers have proven their worth in various applications – offices, retail centres, hotels and industrial applications such as wineries.

## Design configurations

There are 7 cooling and heating models to choose from, each comprising 3 different modular based design options:

- 1) EUWAN chiller without integrated hydraulic module;
- 2) EUWAP chiller with integrated hydraulic module (pump, expansion vessel, hydraulic components); and
- 3) EUWAB chiller with integrated hydraulic module (buffer tank, pump, expansion vessel, hydraulic components).

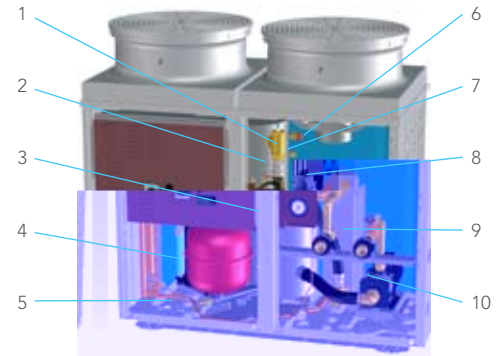
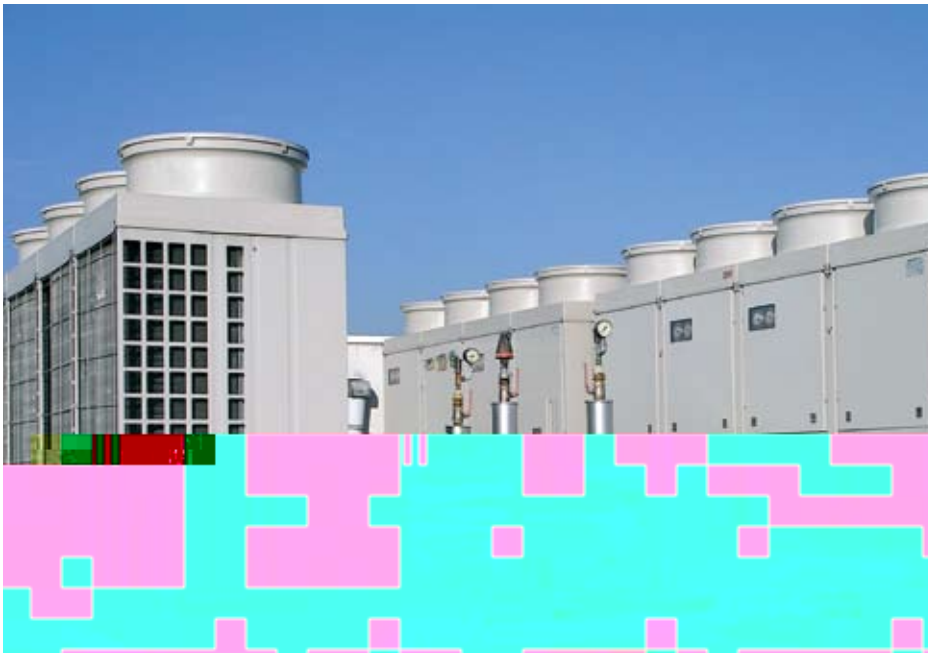
## Features

Our air cooled chillers offer a number of valuable features:

- > Each unit is optimised for use with R-407C refrigerant
- > Each unit uses the Daikin hermetic multiple scroll compressor
- > Reduced installation time due to the integrated pump and/or buffer tank
- > Low operating sound level
- > Easy maintenance
- > Main switch
- > Water flow switch

Whatever your air conditioning needs, Daikin has an air cooled chiller to suit your requirements.

# Air Cooled Chillers



- 1 Air purge
- 2 Buffer tank
- 3 Water pressure gauge
- 4 Expansion vessel
- 5 Drain
- 6 Safety valve
- 7 Pressure port
- 8 Flow switch
- 9 Water flow adjusting valve
- 10 Pump

| MODEL                           | EUW**5KAZW    | EUW**8KAZW    | EUW**10KAZW   | EUW**12KAZW   | EUW**16KAZW   | EUW**20KAZW   | EUW**24KAZW   |
|---------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| KW capacity (Cooling/Heating)   | 9.1/11.9      | 17.1/18.5     | 21/24         | 25/27         | 34.3/37       | 40/46         | 50/54         |
| Capacity steps                  | 0/100%        | 0/100%        | 0/100%        | 0/100%        | 0/50/100%     | 0/50/100%     | 0/50/100%     |
| Number of compressors           | 1             | 1             | 1             | 1             | 2             | 2             | 2             |
| Piping connections              | 1-1/4"        | 1-1/4"        | 1-1/4"        | 1-1/4"        | 2"            | 2"            | 2"            |
| Dimensions (HxWxD) mm           | 1230*1290*734 | 1230*1290*734 | 1450*1290*734 | 1450*1290*734 | 1321*2580*734 | 1541*2580*734 | 1541*2580*734 |
| Sound power level (dBA)         | 67            | 76            | 78            | 78            | 79            | 81            | 81            |
| Refrigerant type                | R407C         | R407C         | R407C         | R407C         | R407C         | R407C         | R407C         |
| <b>Temperature Range</b>        |               |               |               |               |               |               |               |
| Ambient Deg C (Cool only)       | (-)15 to 43   |               |               |               |               |               |               |
| Chilled water temperature Deg C | LWT -10 to 20 |               |               |               |               |               |               |
| Ambient Deg C (Heat pump)       | (-)10 to 21   |               |               |               |               |               |               |
| Max hot water temperature Deg C | 50            |               |               |               |               |               |               |

#### NOTES:

Nominal Cooling Capacities are based on evaporator 7/12 Deg C and ambient temperature 35 Deg C.  
 Nominal Heating Capacities are based on hot water 45 Deg C / 50 Deg C and ambient temperature 7 Deg C.  
 The sound power level is an absolute value indicating the 'power' which a sound source generates.

## Scroll Compressor

The heart of the air cooled chiller unit is the Daikin hermetic multiple scroll compressor, which is designed with high technical standards and optimised for use with R-407C refrigerant. Pressure losses are minimised by reduced axial clearance and the scroll centre has been redesigned to improve efficiency.

## Flexible Control

Each unit is fitted with a micro chiller auto diagnostic controller enabling it to be integrated with a building management system (BMS). A single gateway allows up to 16 units to be connected to the BMS. The BMS supports the complete operation of the chiller, including status, temperatures, pressures and alarm.

## Environmental Commitment

Daikin Australia is committed to the global environment and continues to invest efforts into improving its eco-production techniques and developing air conditioning systems with energy saving features.

## Contact Us

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