

Chillers

Commercial and Technical Data

Air-cooled Dual Circuit

- » **Wide capacity range
(180 kW - 620 kW)**
- » **Multiple efficiency and
sound versions**
- » **Single screw compressors**
- » **New Microtech III
controller**
- » **Large operation range
(ambient down to -18°C)**
- » **Water supply down
to -8°C (as standard)**



ECDEN10-414

EWAD~D-
180~620 kW

R-134a



Daikin Europe N.V.

About Daikin

Daikin has a worldwide reputation based on over 85 years' experience in the successful manufacture of high quality air conditioning equipment for industrial, commercial and residential use. Daikin's much envied quality quite simply stems from the close attention paid to design, production and testing, as well as aftersales support. To this end, every component is carefully selected and rigorously tested to verify its contribution to product quality and reliability.

Daikin's dual circuit 'EWAD~D-' range – a small package for a big chiller –

Daikin's 'EWAD~D-' range has been designed to provide innovative installation solutions, guarantee absolute comfort and compete with HVAC industry standards for operating efficiency.

The 'EWAD~D-' range, available in multiple efficiency and sound versions, incorporates new generation single screw compressors (for part of the range) that result in higher partial load efficiency levels (ESEER up to 4,1), ensuring a lower total cost of ownership over the life of the chiller.

The units are able to supply water down to -8°C as a standard and may even operate in ambient temperatures down to -18°C. Moreover, the new range features a compact design and extensive option list (total and partial heat recovery option available).



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The new dual circuit chiller features

Application flexibility

The EWAD~D- series is available in multiple efficiency and sound level versions, including a variety of capacities sizes (from 180 kW up to 620 kW), making it an ideal match for flexible solutions in a wide range of building applications.

Large operation range

The new range is available for ambient operating temperatures of -18°C up to 48°C (depending on the version), with the ability to supply water down to -8°C, making the chiller models suitable for comfort and process cooling applications in all climates.

Extensive option list

The base model includes several standard factory mounted options, such as: electronic expansion valve, wye delta starter, phase monitor, hour run meter, etc. Moreover, the new range features an extensive option list, including: total and partial heat recovery, soft starter, different coil and pump types, etc.

Redundancy

EWAD-D- has two truly independent refrigerant circuits in every size, in order to assure maximum safety for any maintenance, whether planned or not.

Meets any acoustic need

Maximum flexibility in offering a range with 4 different sound level versions - thanks to the combination of acoustic solutions, such as low fan rotation speed and a soundproof compressor casing - in order to meet any installation need.

Superior control logic

The new MicroTech III controller provides an easy to use control. The control logic is designed to provide maximum efficiency, to continue operation in unusual operating conditions and to provide a history of unit operation. One of the greatest benefits is the easy interface with LonWorks, BACnet, Ethernet TCP/IP or Modbus communications.



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

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