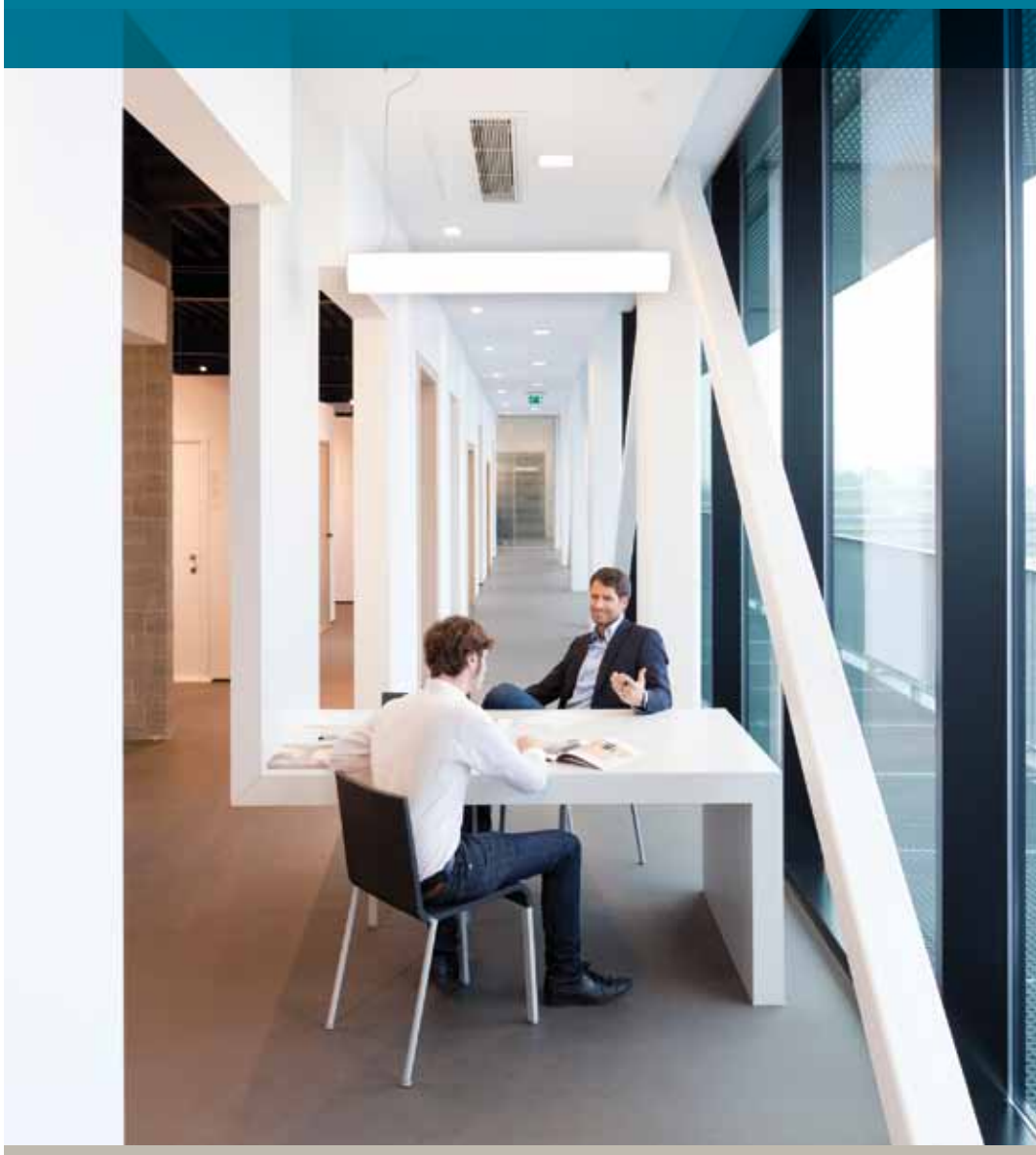
Air cooled chillers

R-410A

Small inverter chiller



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- » ESEER up to 4.75
- » Superior environmental performance
- » Minimal starting currents
- » Cooling only and heat pump versions

EWA/YQ~BA

INVERTER

EWA/YQ~BA

SMALL INVERTER CHILLER

SAVE ENERGY, SAVE MONEY
WITH RESPECT TO THE ENVIRONMENT

EWA/YQ~BA is
available in 7 sizes between 17 and 75 kW
with 1 or 2 refrigerant circuits
in cooling only or heat pump versions

INVERTER

DAIKIN INVERTER TECHNOLOGY

› High energy efficiency with a leader-of-class ESEER up to **4.75**
This means the chiller will have a lower energy consumption which generates cost savings while delivering peak efficiency.

› Superior environmental performance
With lower energy consumption comes a lower environmental impact but no loss of performance.

› Short payback times
Cost savings from lower energy consumption, combined with energy savings from renewable resources such as the ambient air means quicker pay back times.

› Minimal start up power consumption: no energy consumption peaks and no soft starter needed
Progressive application of power on a demand basis means there are no energy consumption peaks and no additional soft starter needed.

› Low noise levels thanks to inverter driven compressor and inverter driven fans (no need for extra options)
Thanks to the inverter driven compressor which smoothes out the compressor usage combined with re-designed inverter driven fans, there is reduced noise levels without the need for expensive extra options.

› High reliability: few compressor start-ups
With fewer compressor start-ups thanks to the inverter system, there is increased reliability.

› Low fluctuations of leaving water temperature, even without buffer tank.

AND MORE:

› Smooth serviceability through easy component access

› Optional factory mounted standard pump or high-ESP pump

› No buffer tank required for standard applications
And even without one, there is little fluctuation in leaving water temperature

› Accessory kits
Accessories include remote user interface, pressure gauges, I/O PCB, etc. all designed to give increased control or performance

› Wide range of operating conditions (ambient temperature up to 43°C)
The capability of operating in ambient temperatures of up to 43°C makes it ideal for process and comfort situations and also for brine applications

› Digital remote controller makes controlling the system easy without special instruction or equipment

DIGITAL CONTROLLER

› Schedule timer

› Weather dependant control

› Multi unit control

› Night setback

The integrated inverter in the new R-410A-based EWA/YQ~BA range adjusts compressor speed to actual cooling/heating demand, allowing the chiller to operate at optimal efficiency (ESEER up to 4.75) regardless of thermal load conditions. By consuming only the power necessary to match the load, environmental performance is increased substantially, annual operating costs are minimised and the financial payback of the chilled water system is faster.

The new units, available in cooling only and heat pump versions, can operate in a wide range of ambient conditions and are suitable for comfort and process cooling/heating, applications, particularly when the highest levels of efficiency, savings and comfort are demanded.

The EWA/YQ~BA series' leading part load efficiency brings inverter cost savings and improved environmental performance to the small chiller market. Thanks to Daikin's inverter technology annual operating costs are minimised and the financial payback of the chilled water system is quicker, be it in comfort or in process cooling/heating applications.

The EWA/YQ~BA range is available in cooling only and reversible heat pump versions.

In all of us, a green heart

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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