



VZ Chiller series

Water cooled inverter chiller



The highest peak in chiller technology

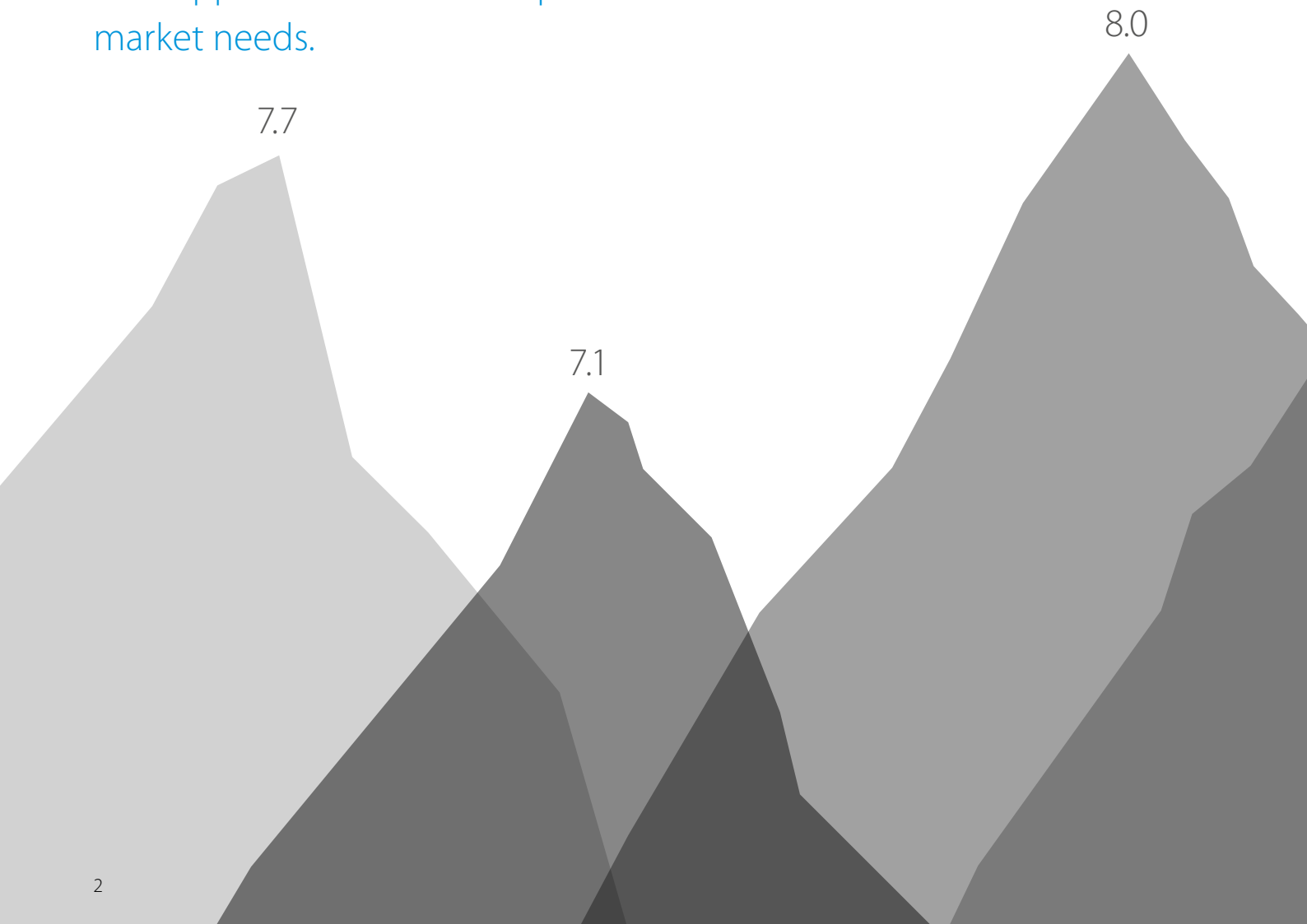


The highest peak in chiller technology


EWWD-VZ chiller series

An increasing demand for high efficient HVAC systems drives our product development mission.

By answering market demands and offering new opportunities we anticipate on the future HVAC market needs.





ESEER 
8.3 (average value)

- Full inverter water cooled chiller
- Highest seasonal efficiency in the market in its category
- Capacity range from 450 kW up to 2,100 kW
- Unique Daikin screw compressor technology
- High efficient flooded type heat exchangers

7.9

Top efficiency ESEER

The EWWD-VZ chiller series were developed and manufactured to answer the growing market demands on high efficient chiller series.

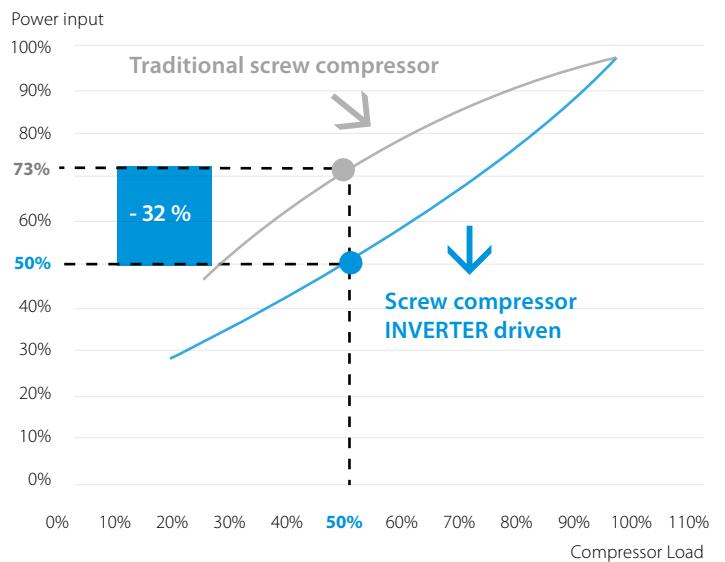
Thanks to the continuous evolution in components' technology, we are the first to reach the highest peak in chiller efficiency and technology.

Why choose EWWD-VZ chiller series?

Top class efficiency: ESEER average 8.3 – EER up to 5.7

New generation Daikin inverter screw compressors

Importance of ESEER:
Power consumption significantly reduced at part loads where the machine will run for 97% of the operation hours (Eurovent load profile)

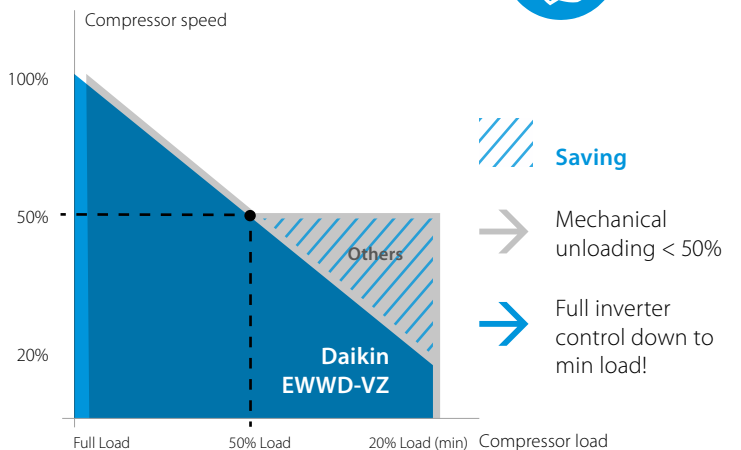
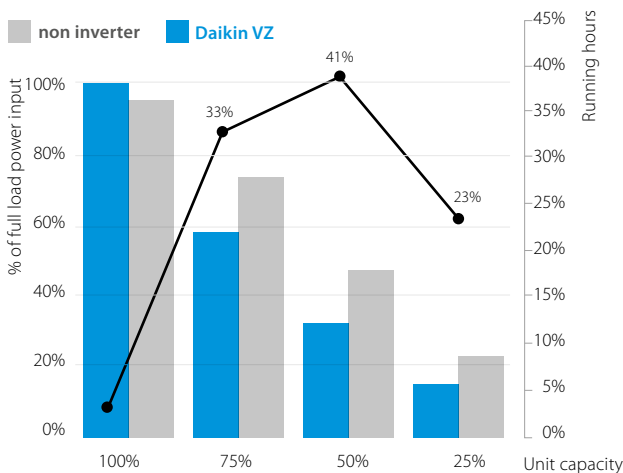


Why choose an inverter chiller?

- > -25% energy consumption
- > -25% CO₂ emissions
- > -25% running costs
- > Return on investment < 2 years

Why are we better than others

- > Full inverter capacity control down to 20%
- > No inefficient mechanical unloading slides





✓ **New generation high efficiency heat exchangers**

- › Flooded type technology allowing maximizing unit performances
- › Latest technology enhanced surface tubes



✓ **Optimized piping design**

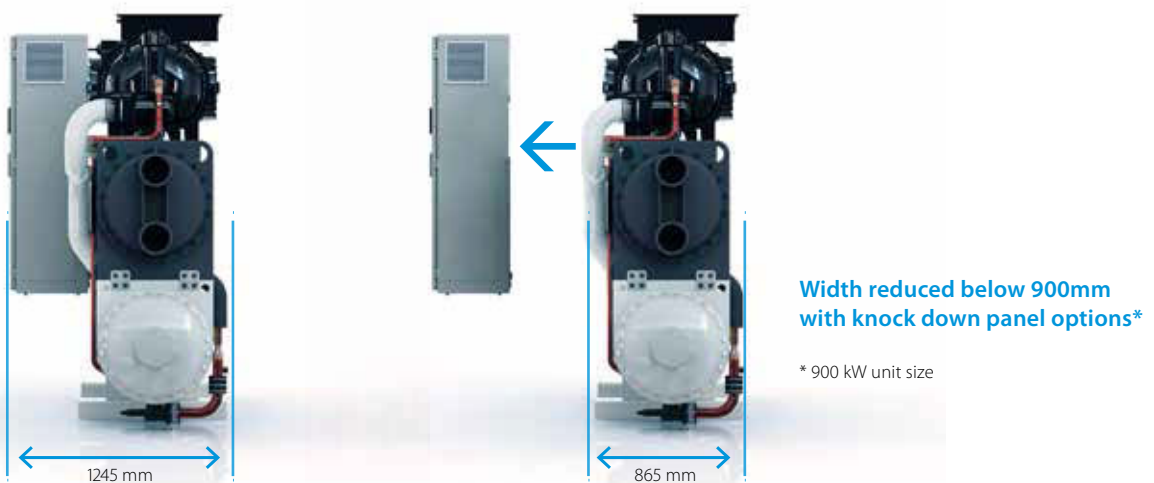
- › Suction and discharge pipes specifically designed to minimize refrigerant pressure drops



Did you know that you can maximize your BREEAM and programme score and LEED green building programme score with the Daikin HVAC solutions?

Compact unit

- › Small footprint, ideal for installation through existing doorways



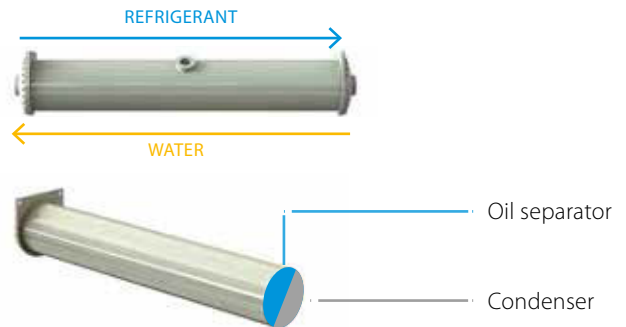
40 % footprint reduction in comparison with other water cooled series thanks to:

1. New single pass condenser technology

- High heat exchange performances thanks to counterflow design
- Low water pressure drops < 30 kPa

2. New integrated oil separator technology

- Low oil carry over
- Low refrigerant pressure drops

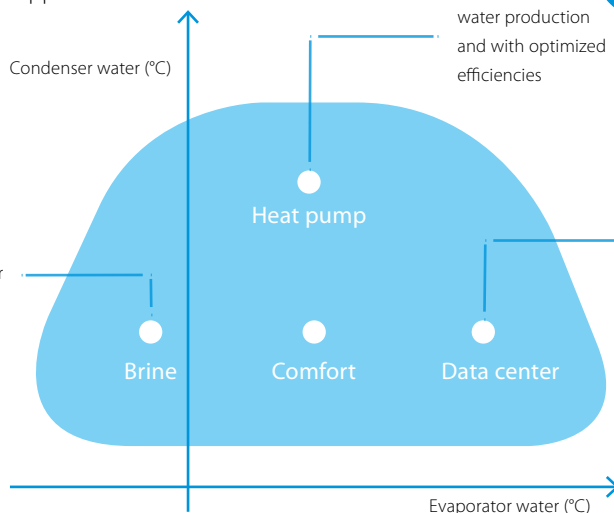


Application flexibility

Widest operating envelope in its range:
The large operation range makes this chiller ideal for a variety of applications



Evaporator Water down to -8°C



Up to 65°C hot water production and with optimized efficiencies

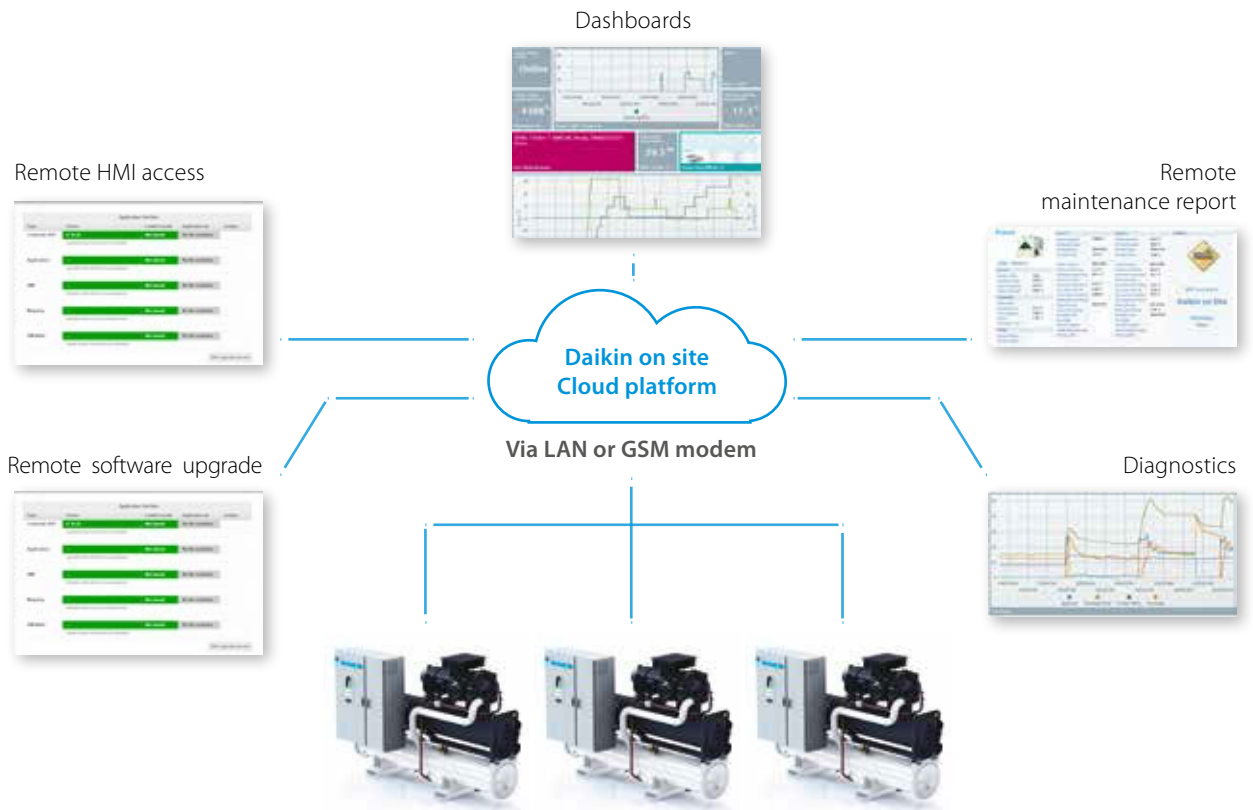
Widest operating envelope in its category... not only for comfort cooling

Evaporator Water up to +20°C

Connectivity

Remote access with one click

- › Remote monitoring
- › System optimization
- › Preventive maintenance



Future readiness:
Choose for today's best solution
and be ready for the future!



R-134A refrigerant, still today the best possible choice:

- › Still most efficient refrigerant.
- › Availability in high quantities and at competitive prices.
- › No phase out planned in F-GAS regulation.
- › Classified as non flammable

All VZ units are 'new refrigerant ready'!

Possibility to retrofit them in the future with lower GWP refrigerants (HFO blends).



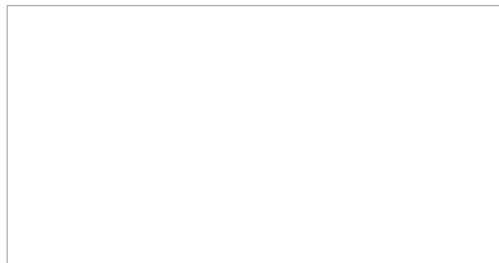
Why choose Daikin?

Daikin is Europe's leading manufacturer and global n°1 of highly energy-efficient heating, cooling, ventilation and refrigeration solutions for residential, commercial and industrial applications.

Why choose Daikin chillers?

- > The widest and most flexible chiller portfolio
- > Worldwide experience in chiller design and manufacturing
- > The highest efficiency for every installation
- > Quality and reliability

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Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online

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