

Boost the energy efficiency of your cooling equipment



Each of these could be **30%*** more efficient

Decarbonization in food & beverage holds an enormous potential because of the large fleets of refrigeration equipment.

But in the end, it all comes down to numbers. Like **'30%'** — the energy reduction you can achieve with our cooling solutions. Now multiply that with the number of units you have in the field.

And when you've done the math, check out the simple steps below for optimizing the energy efficiency of your glass door merchandisers, commercial fridges, or freezers.

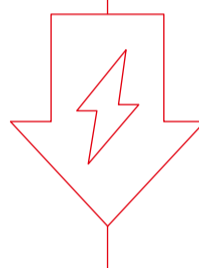
Easy as one, two, three.

[Read full case story](#)

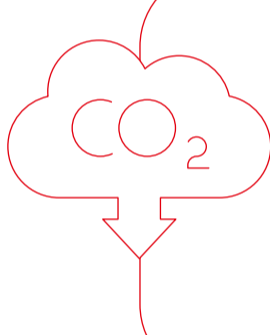
* Calculations based on our case story.

Small changes. Big impact.

With this small change, we can help decarbonize a sustained number of 2 mill. glass door merchandisers** — driving numbers that speak for themselves.



A 30% energy reduction equals using **216 kWh less/year**. For all 2 mill. units, this totals **432 mill. kWh** energy reduction.



A 432 mill. kWh energy reduction translates into emitting **200,000 tons less of CO₂e*****.



And 432 mill. kWh is the equivalent of saving almost **1.4% of Denmark's yearly energy generation******.

** Number of units in continuous operation after a ramp-up period of ten years. Danfoss can help decarbonize 200,000 units per year. Average unit lifetime is defined as 10 years.
*** Estimate based on avg. global emission factor of electrical generation (464g/kWh) (IEA – Global emission factors report 2021)
**** Denmark generated 32TWh in 2022 <https://www.iea.org/countries/denmark/electricity>

Three steps to reducing your carbon footprint

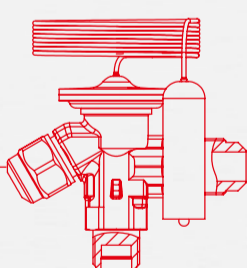


1



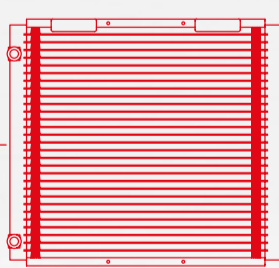
Choose an advanced refrigeration controller for optimal precision

2



Replace the capillary tube with a TD1 valve for efficient superheat control

3



Install a Danfoss Micro Channel Heat Exchanger for increased efficiency

Your decarbonization partner

There's no cheat sheet to decarbonization. Instead, we leverage our global wingspan, complete portfolio, and innovation engine to accelerate your individual journey – and help you reach your number.

Why Danfoss

- 90+ years of refrigeration solution expertise
- Complete suite of solutions
- Strong application knowledge base
- Climate space partnerships

See how tomorrow's solutions are ready today visit www.danfoss.com

ENGINEERING TOMORROW

