

Healthy and energy-saving air
conditioning of industrial buildings.



Speaker



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**Genau
mein
Klima.**



Systems for industry heating, cooling, ventilation

Wall- or ceiling-mounted units for heating, cooling or ventilation in high-ceiling buildings



TOP C

Wall-mounted units, the hall cooling system for almost any requirement



Ultra

Ceiling unit for heating, cooling, ventilation



Ultra Allround

Ceiling unit for heating, cooling, ventilation in large, high-end interiors



Air handling units



Heat pumps and chillers

Motivation

Background The threat of even higher prices
Now to replace the gas heating?

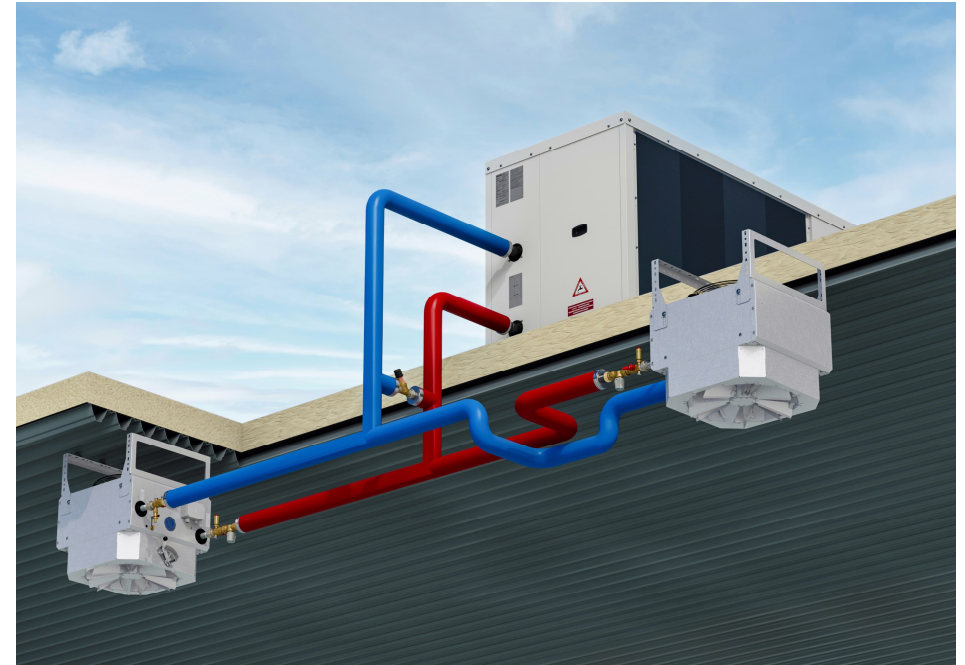
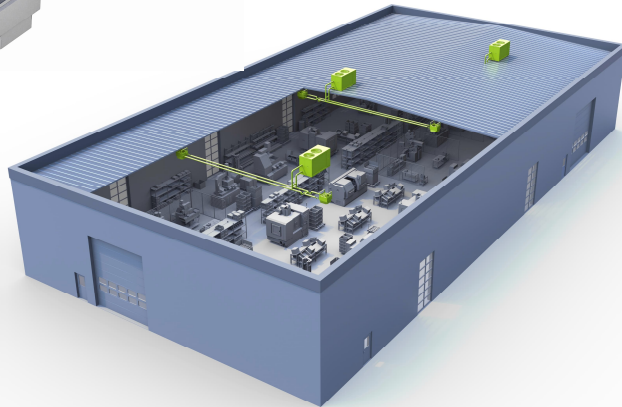
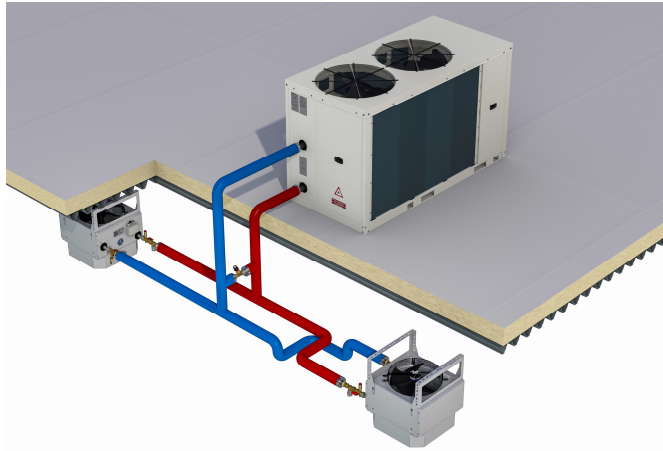
Heat pumps as a replacement for oil and gas heating systems
What should you look for in alternatives to
oil heating and gas heating?



Guidebook
to reduce energy costs
What to do with oil or gas heating?

Overview Portfolio of Heat Pumps

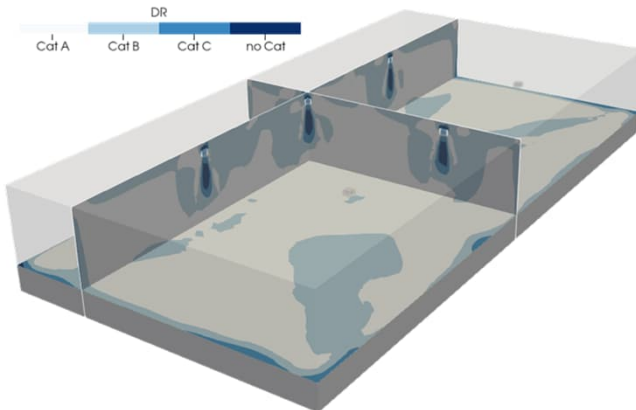
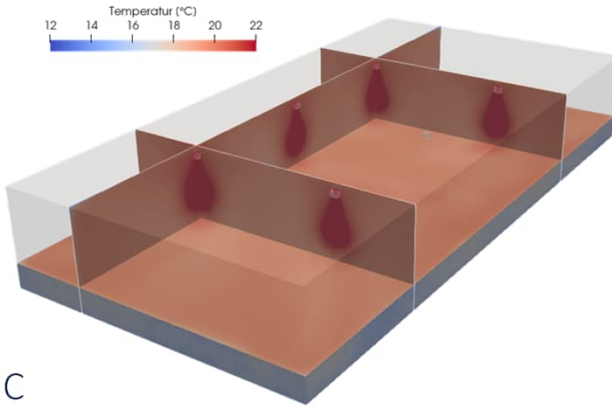
Air-to-water heat pumps, application area industrial halls



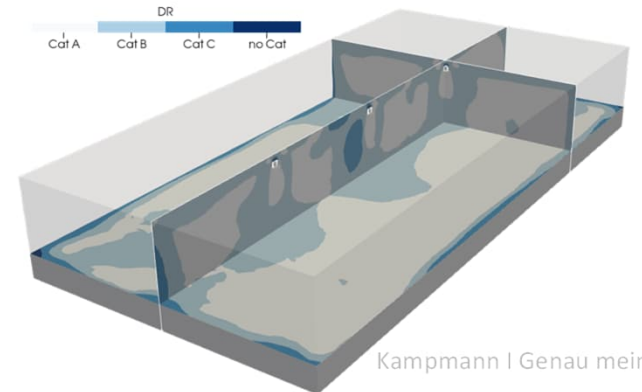
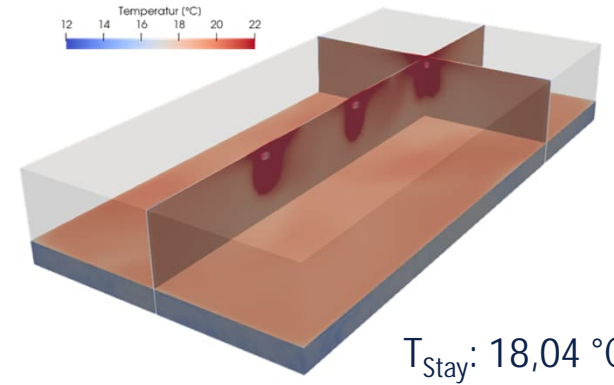
Example interpretation

Comparison of low temperature vs. high temperature

System temperatures 40/35/18



System temperatures 75/55/18



Draught risk

Reference: warehouse
Heating & Cooling with air heater units



Reference of industry building

Heating: heating pumps + air heaters



Reference: warehouse

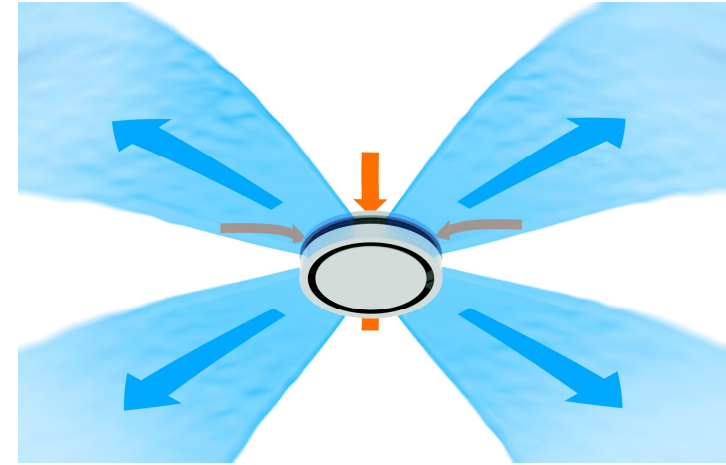
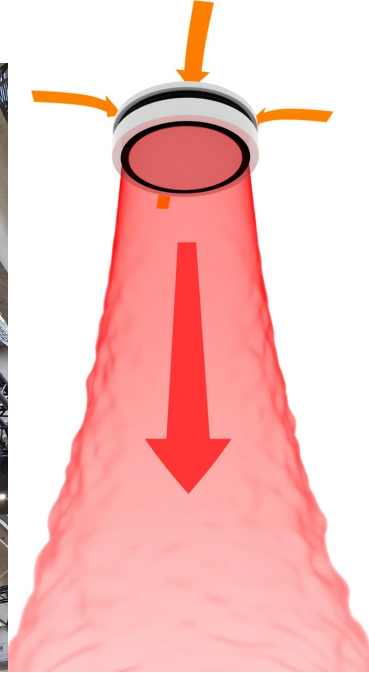
Heating & cooling



Ultra allround: design fan coil for high rooms

Heating / cooling: room height up to 7 m

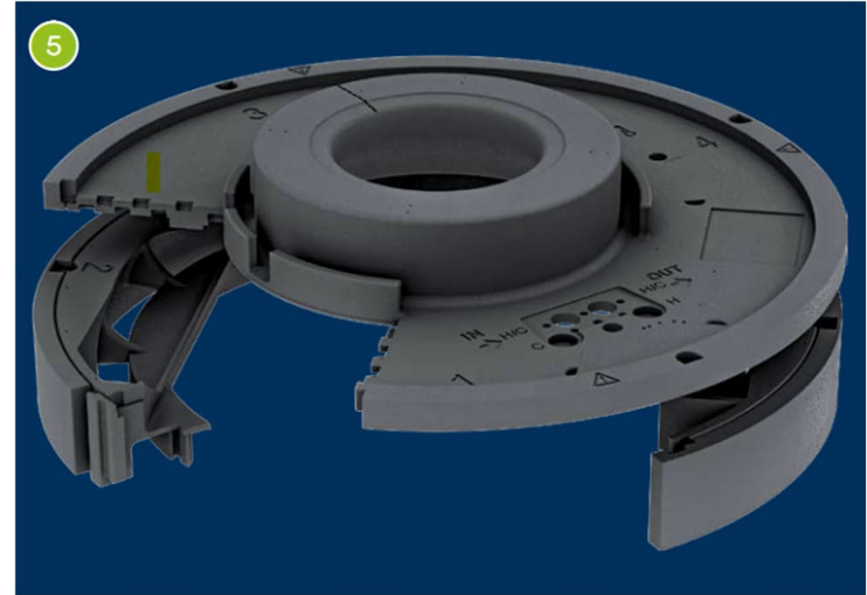
For shopping rooms, exhibitions, industry etc.



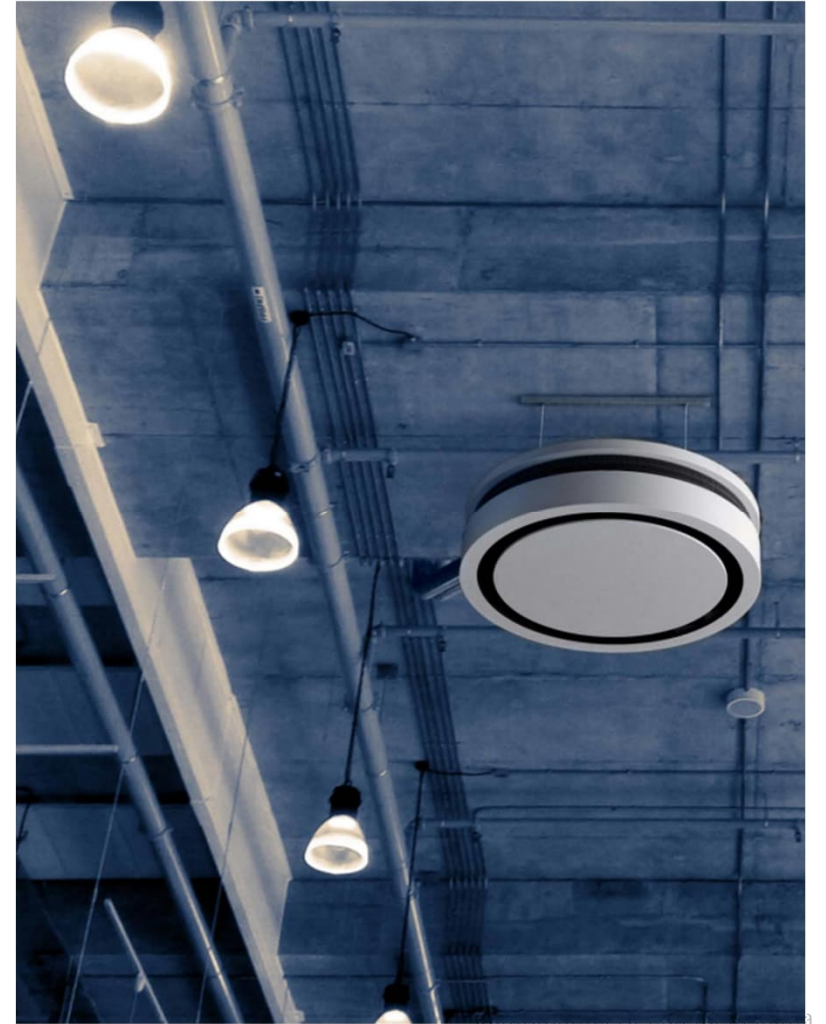
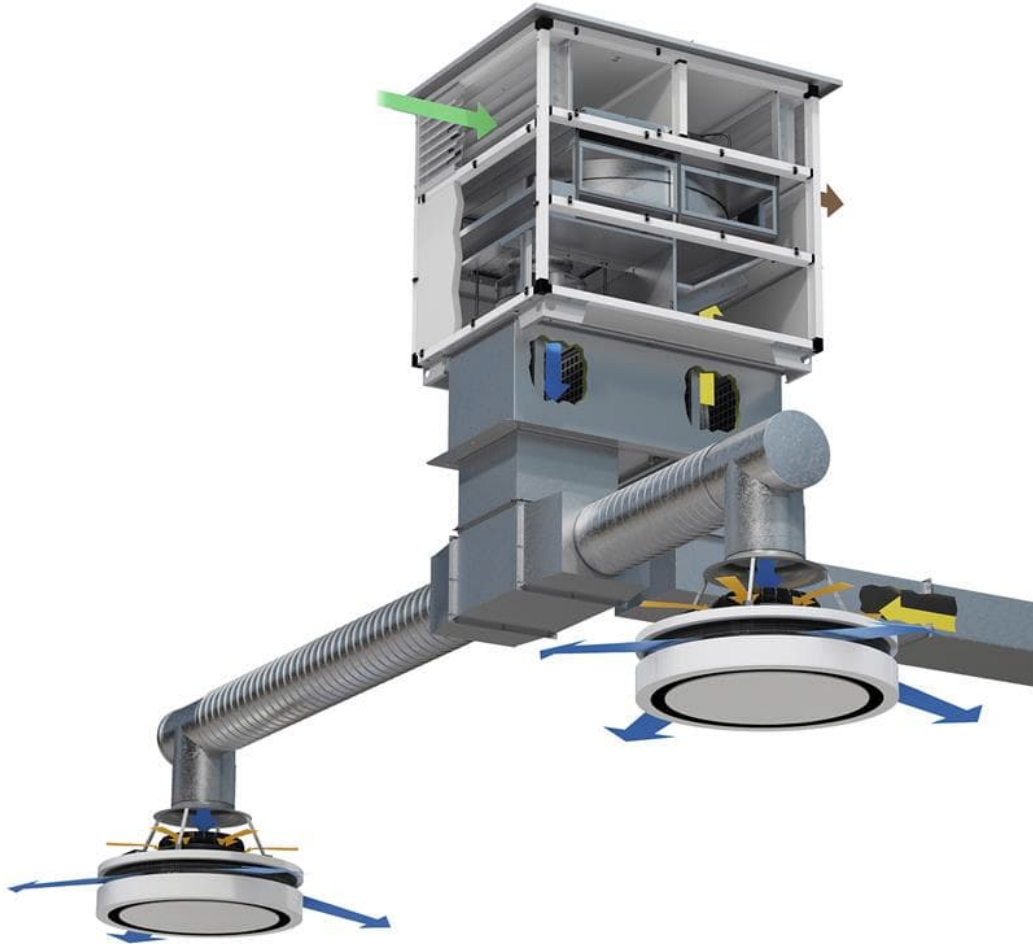
Environmentally friendly product design

EPP housing (70% is air)
EPP housing for optimum air routing
Very low weight
fully recyclable

EPD Certificate available



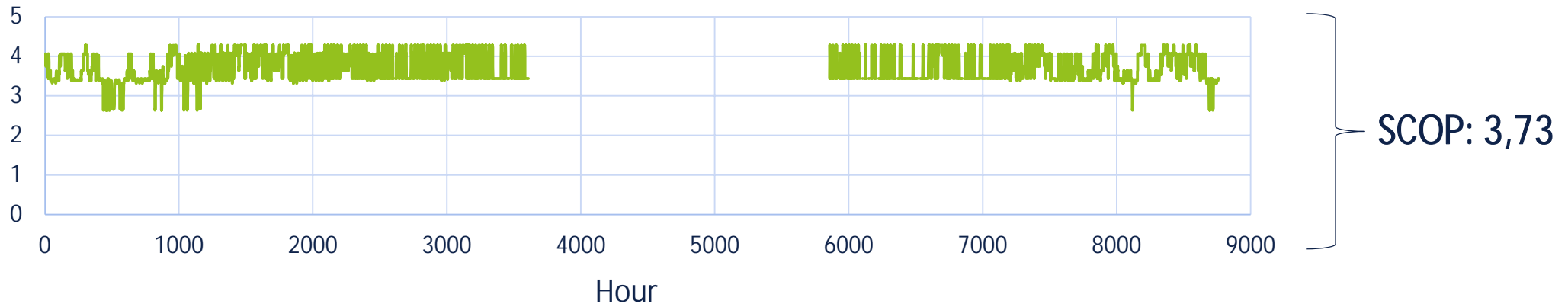
Fresh air supply with recuperation roof unit



Annual energy consumption and costs

Example project, heating energy demand per year 97,261 kWh

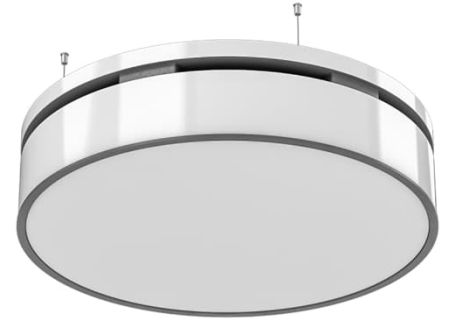
COP Heat pumps



Gas/electricity costs Kampmann Lingen

	2024		2023	
	Gas heater	Heat pump	Gas heater	Heat pump
Cost per kWh	0,15 €/kWh	0,30 €/kWh	0,10 €/kWh	0,25 €/kWh
Total costs	14.589 €/A	8.081 €/A	9.726 €/A	6.734 €/A

Energy-efficient renovation of office buildings







Your contact



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