

Chillventa Specialist Forums 2022
Chillventa Fachforen 2022

**CONNECTING
EXPERTS.**



Presenter

Per Skov

Product manager, Heat pumps
Industrial Refrigeration EMEA
Denmark



 **135** Years
of innovation experience

100,000+ Experts globally


150 countries offering
a local service from
2000 locations

 more than
8,700 Active Patents

4+million
Customers globally 

\$78 million 
in charitable contributions
in the past **5** years

 **40+**
Named in 40+ leading
sustainability indices

We are in **90%**
of the world's most
iconic buildings



Delivering outcomes in
Airports
Campuses
Data Centers
Healthcare
Hotels
Life Sciences
Schools
Sports & Entertainment

 We have delivered over
26M Metric tonnes
of CO₂ reduction

Over **\$3.9** billion **Energy**
savings
and more than
\$2.1 billion **Operational**
savings 

 **316,000+**
Volunteers Hours

The power behind **your mission**



Sabroe; Smart, safe and sustainable for generations

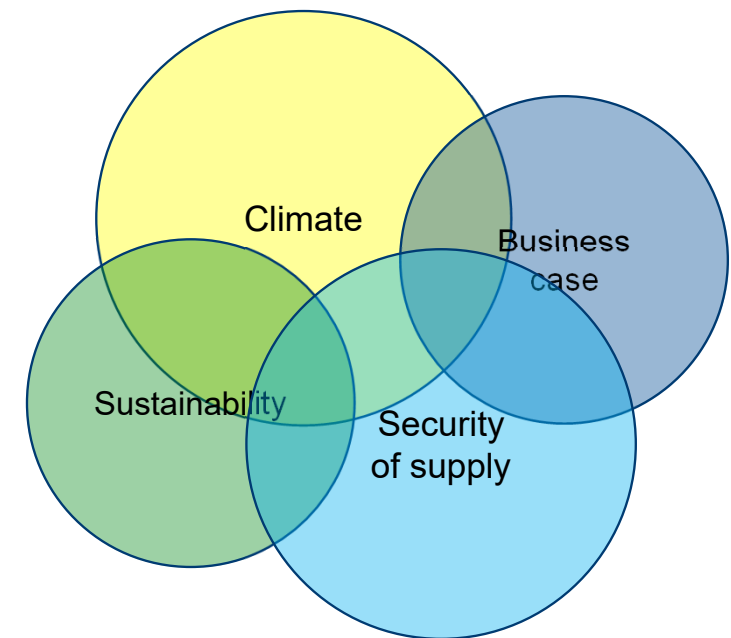
- 125 years of new ideas and better green technology
- Scandinavian high-quality proven design for solutions within refrigeration and heating

The power behind **your mission**



Security of supply – Dependency on fossil fuels

We must ensure a reliable, secure and affordable supply of energy to European consumers



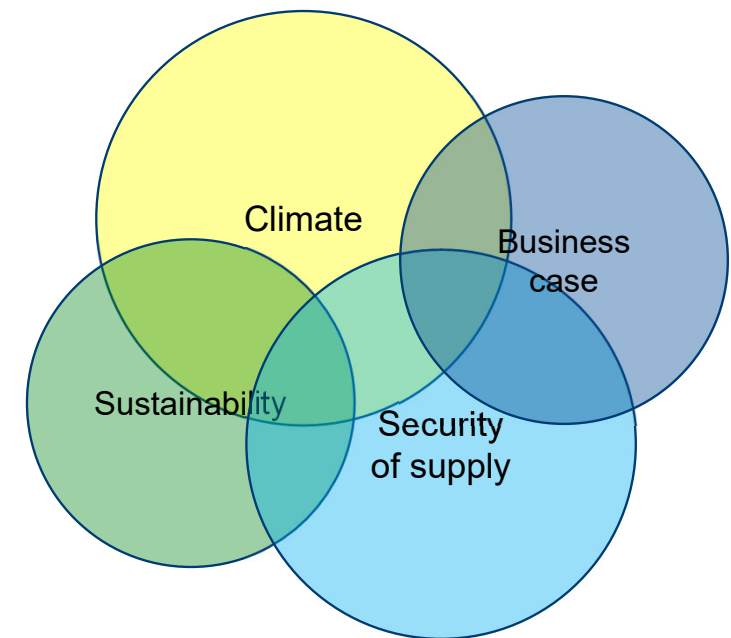
The power behind **your mission**

Security of supply – Departure from fossil fuels

We must ensure a reliable, secure and affordable supply of energy to European consumers



Doubling of the rate of deployment of heat pumps, and measures to integrate geothermal and solar thermal energy in modernised district- and communal heating systems.

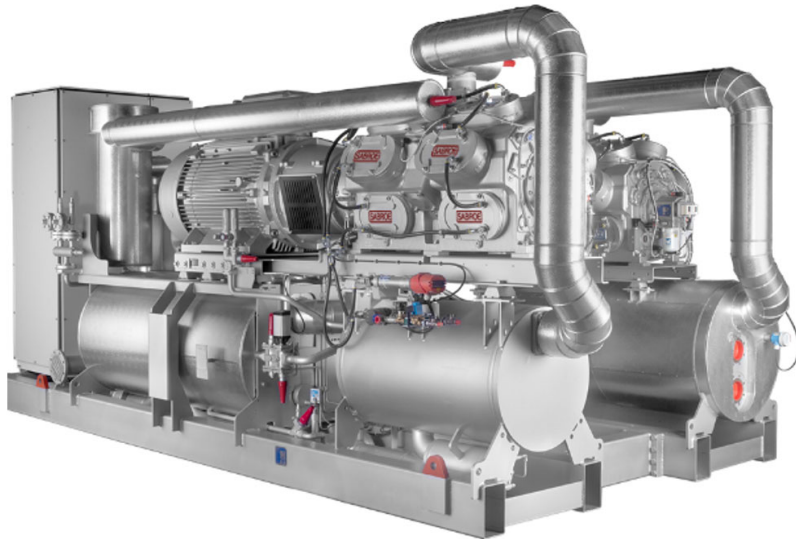


Electrification of energy systems

The carbon neutral future is electric

Electrification Why?

Heat pumps Why?

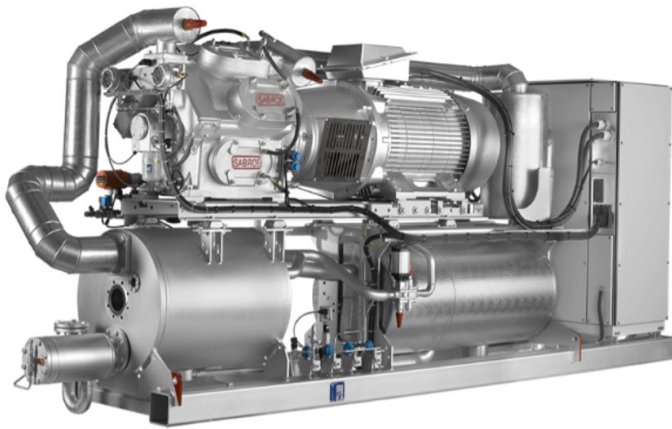


The power behind **your mission**

Increase efficiency and decrease energy consumption

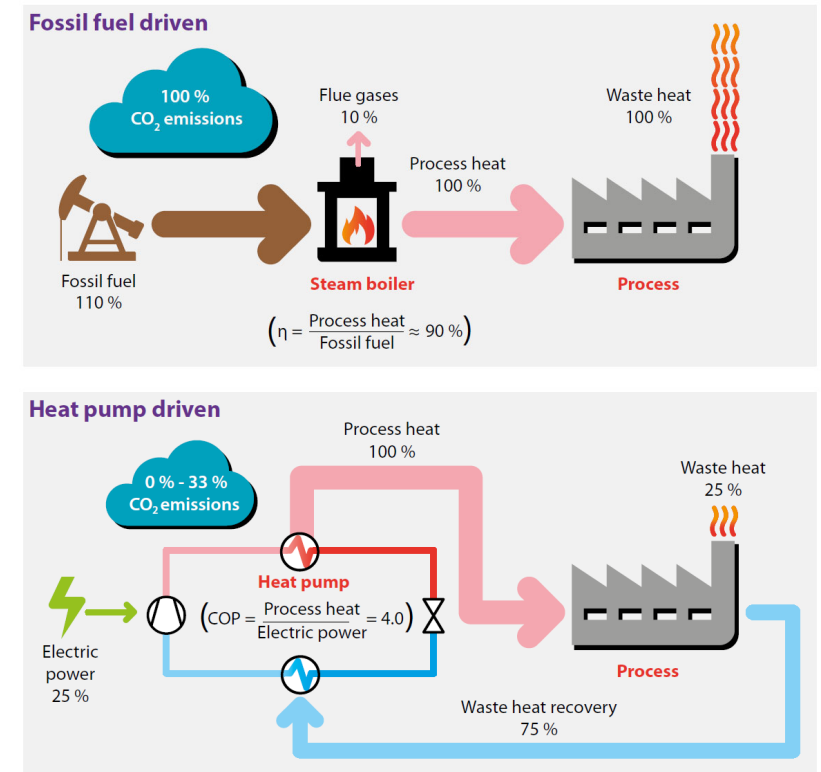
The greenest and cheapest energy is the one you don't use

More waste heat available than the building heating demand in Europe



Heat pumps can be used to utilize waste heat or other sources at various temperature levels!

The power behind **your mission**



Source: Strengthening Industrial Heat Pump Innovation - Decarbonizing Industrial Heat

Increase efficiency and decrease energy consumption

The greenest and cheapest energy is the one you don't use

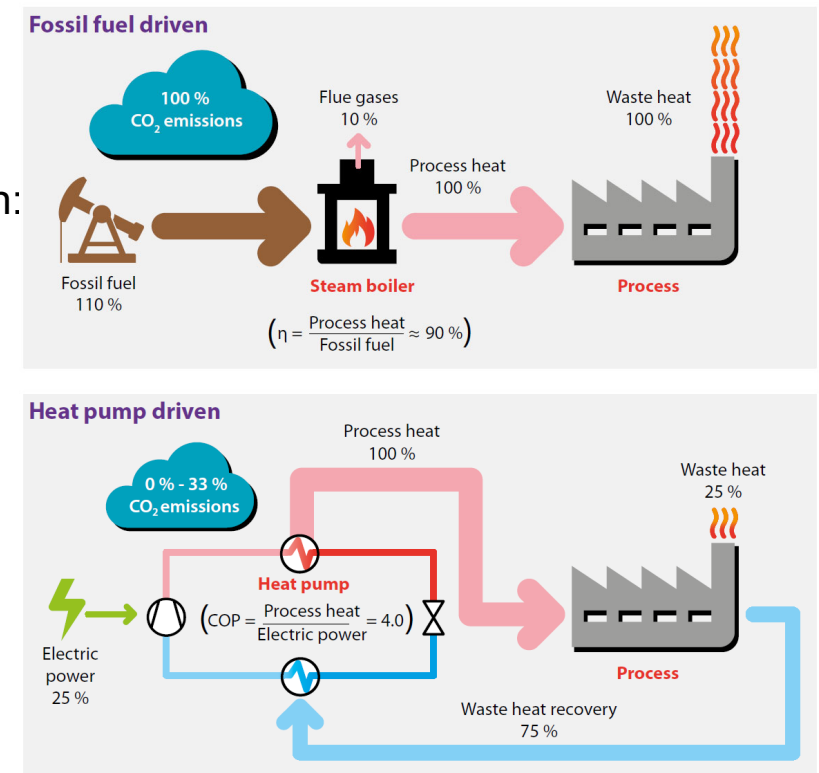
Waste heat

Increasing source temperature with a fixed heat demand, resulting in:

- Lower CAPEX
- Lower OPEX
- Higher efficiency

Heat pumps utilizing waste heat has multiple benefits on the road to Net Zero.

- Reducing energy need
- Utilizing waste heat
- Enabling electrification



Source: Strengthening Industrial Heat Pump Innovation - Decarbonizing Industrial Heat

Heat pump portfolio

Sabroe heat pumps

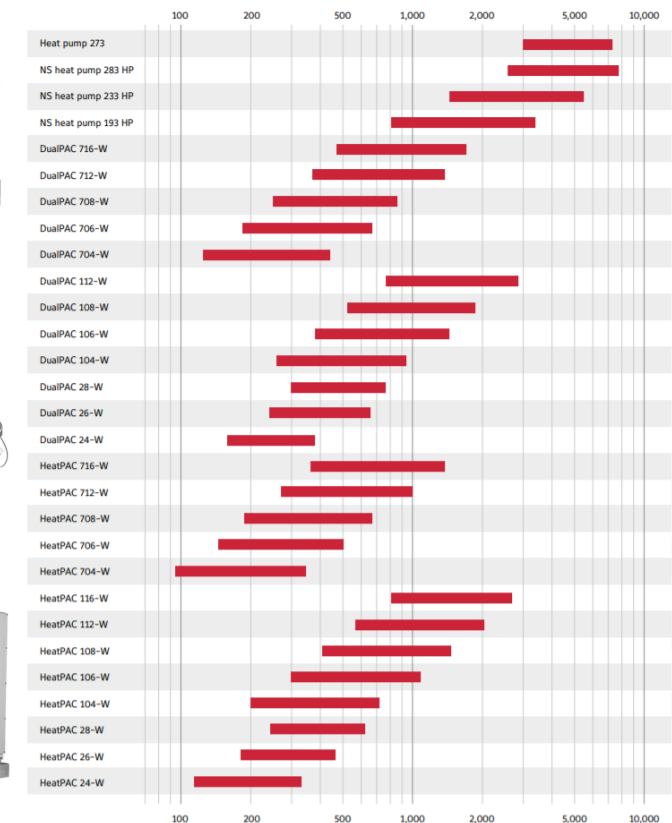
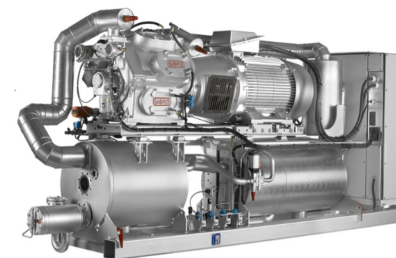
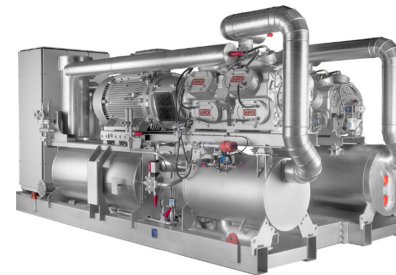
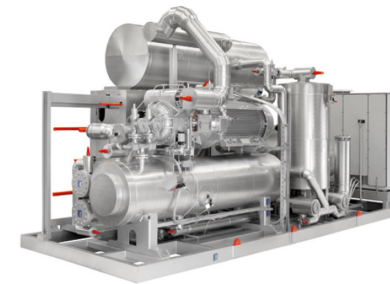
Large installed base with +400 heat pumps

+30 different models

Capacity from 300kW to 7MW

Temperature to 95°C

Natural refrigerant, Ammonia



The power behind **your mission**

Heat pump portfolio – Keeps getting better

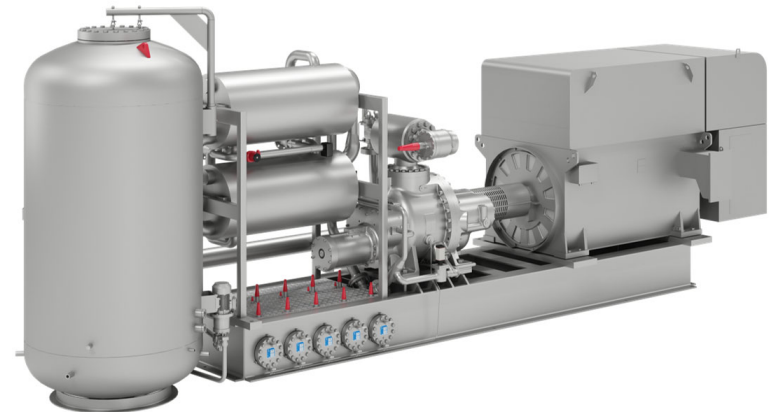
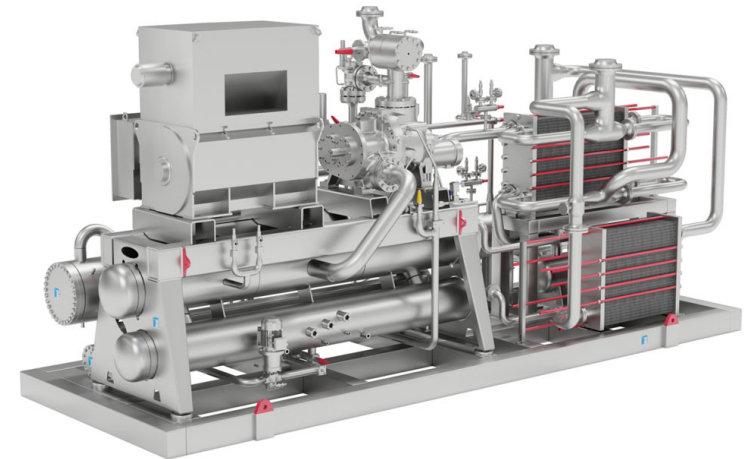
Sabroe heat pumps

Large installed base with +400 heat pumps
+30 different models
Capacity from 300kW to 7MW
Temperature to 95°C
Natural refrigerant, Ammonia

Future is looking even greener

Investing heavily to support market

- Capability with regards to R&D testing and development
- New products for even higher capacity and temperature
 - Visit us in Hall 7, booth 329 for SAB 407 on display



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