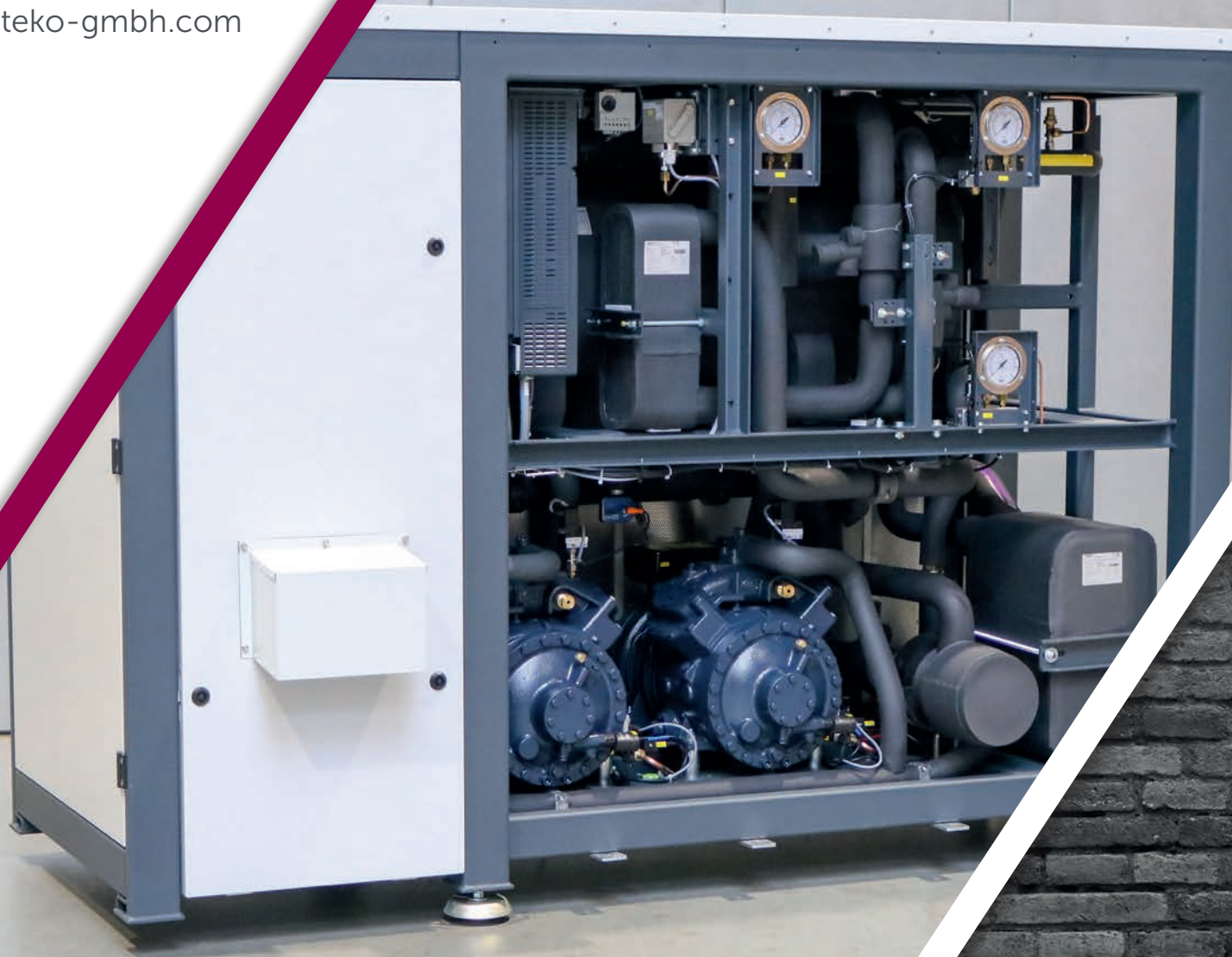




www.teko-gmbh.com



CoolshiftTM dual

CO₂ water-water heat pump

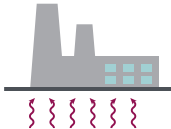


Application

Performance



Heat recovery



Geothermal energy



Water-sourced energy

CO₂

Cooling



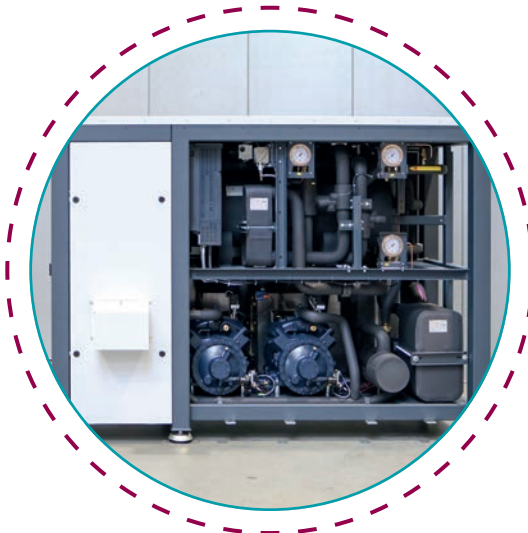
Heating



100 200 300 400 500 3.000 kW

Quality

Details

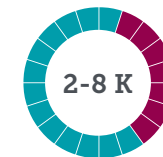


- CO₂ water-water heat pump
- 3 different platforms (M/L/XL)
- Capacity control via frequency converter and cylinder shutdown possible
- Liquid ejector operation
- Semi-flooded evaporation
- High efficiency with simplified design
- Low pressure oil system
- Housing for outdoor installation (optional)

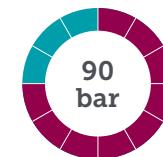


COP_{heating} = 3,6
COP_{combined} = 6,3

Efficiency & Pressure levels



Ejector lift – lower compressor energy



Low pressure



High pressure