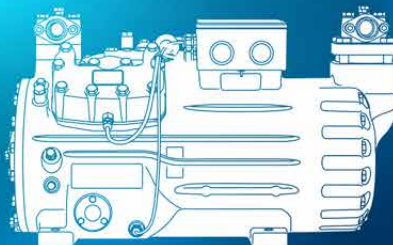




BOCK

colour the world of tomorrow



The °Clever Art of Cooling: GEA Bock HGX44e CO₂

New subcritical CO₂ compressor series
for industrial low temperature applications



engineering for
a better world

gea.com

°Clever solution – future-proof, reliable, energy efficient

The new generation of subcritical GEA Bock compressors for the natural refrigerant CO₂ (R744) offers future-proof, sustainable solutions especially for industrial low temperature applications in cold stores and the food industry. Your main advantage: improved process efficiency with minimized energy costs at highest reliability during operation – with simultaneously extended application fields. So that you will continue to be ahead of the competition in terms of economics and ecology.



GEA Bock HGX44e CO₂

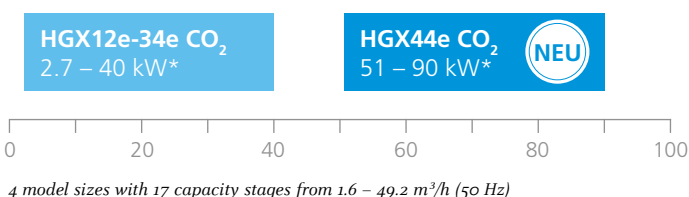
Advantages and benefits that set standards

- **Significantly higher CO₂ compressor efficiency:**
min. plus 6 percent* compared to customary compressors
- **Extended operating conditions:** e.g. easy implementation of hot gas defrosting and extended frequency and temperature operating range**
- **Adjusted compressor low pressure:** LP 30 bar
- **Excellent performance spectrum:** displacement: 27.7 – 49.2 m³/h (50 Hz), frequency range: 25 – 70 Hz
- **Optimised running behaviour:**
minimized noises, vibrations and pulsations
- **Proven GEA Bock CO₂ compressor design:**
highest reliability and reduced operating costs

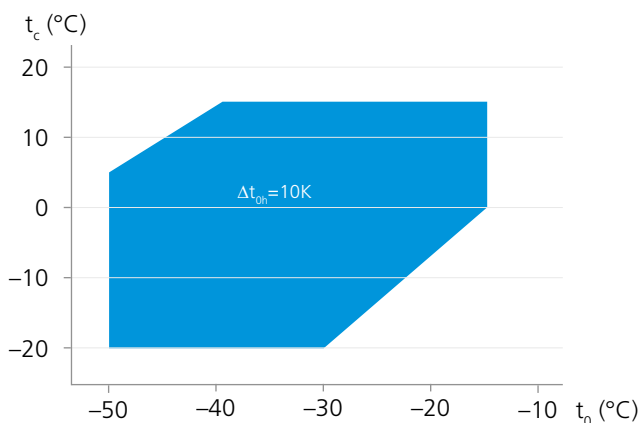
Overview displacement HGX44e CO₂

Type	Displacement m ³ /h (50 Hz)
HGX44e/320-4 S CO ₂	27.7
HGX44e/390-4 S CO ₂	34.2
HGX44e/475-4 S CO ₂	41.3
HGX44e/565-4 S CO ₂	49.2

Cooling capacities of the GEA Bock subcritical CO₂ series



Operating limits of the GEA Bock subcritical CO₂ series



Max. permissible operating pressure (LP/HP):
HGX12e CO₂/HGX22e CO₂/HGX34e CO₂: 40/55 bar
HGX44e CO₂: 30/55 bar

* $t_o/t_c/t_{ob}$: -35° C/-5° C/10 K
** t_o/t_c to -15° C/+15° C



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