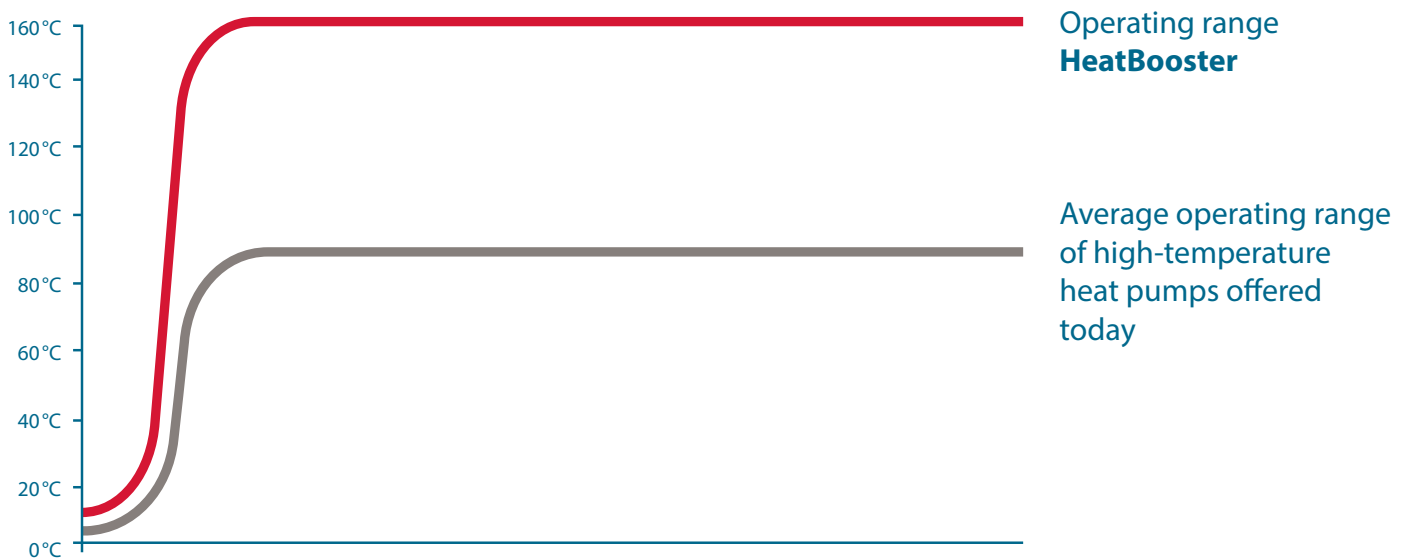


HeatBooster

High-temperature heat pump

Power your processes and operations without using fossil fuels. The **HeatBooster** generates heat up to 160°C from waste heat and other low-temperature heat sources.



Energy source



CO₂ emissions

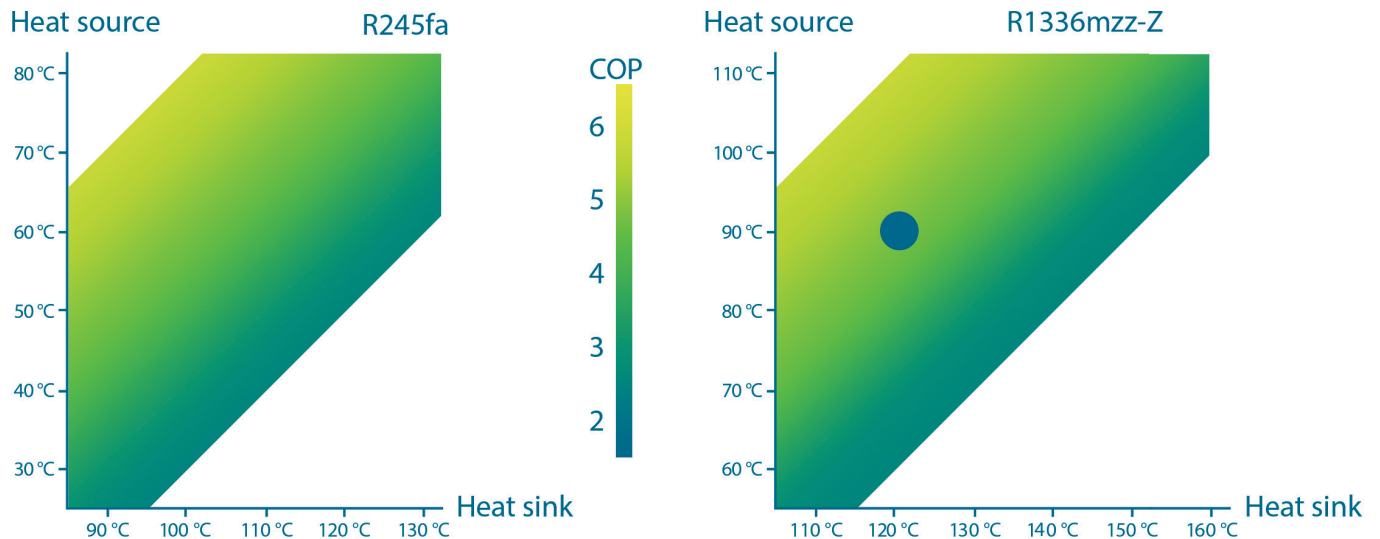
Energy source	CO ₂ emissions
Lignite (brown coal)	360 kg CO ₂ per MWh*
Fuel oil	280 kg CO ₂ per MWh*
Diesel	270 kg CO ₂ per MWh*
Direct electricity	250 kg CO ₂ per MWh**
Natural gas	200 kg CO ₂ per MWh*
HeatBooster (COP=5)	50 kg CO ₂ per MWh**

Sources:

*Fachbuch Regenerative Energiesysteme and UBA

**EU-28 average power grid

Performance examples using different working fluids



Example, see above (blue mark): ●
A 90°C heat source and 120°C heat sink result in a COP of 5

Main benefits:

- Provides high-temperature heat up to 160°C with a good coefficient of performance (COP)
- Reduces CO₂ emissions by removing the need for energy-intensive gas, oil and electric boilers
- Suitable with modern, more environmentally friendly working fluids with a low global warming potential
- Easy to install
- Comes with a 24/7 remote service package

The HeatBooster S4 has a capacity of 200 kW_{th} per unit.
Products in the megawatt range will be available in 2020.

Contact us for more information:

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