

efficiency in food and energy processes.

The Grasso high-pressure compressor is the key component of the prize-winning heat pump

Outstanding engineering

At Chillventa 2010, GEA will verify its competence in CO₂ technology: for example, with the Grasso ACR 130 bar compressor for transcritical CO₂ systems. It offers new possibilities in industrial refrigeration as well as for heat-pump applications. The Thermea heat pump HHS 1000, incorporating ACR compressor technology, won the German Environmental Award for climate protection with air-conditioning technology in 2009.



Photo: Grasso_ACR.jpg

This ACR compressor functions at operational pressure up to 130 bar. This makes it ideally suited for employment in transcritical CO₂ systems for refrigeration, or in heat pumps.