

# Screw or reciprocating compressor?

There is no simple answer to this constantly recurring question. Both technologies are viable alternatives for use in almost all installations, and both types are normally capable of doing the job.

Our sole aim is to make sure you get the best out of your particular set-up, and the best profit margins from your operations.

And to do that we can supply state-of-the-art compressors of both types, covering the full scope of normal capacities.

The criteria you have to balance normally include:

- Required capacity
- Operating conditions
- Available space
- Part-load requirements
- Temperature levels
- Energy consumption
- Choice of refrigerant
- Environmental concerns
- Maintenance issues
- Peak vs average ratio.

## Variable-speed drive - only using what's needed

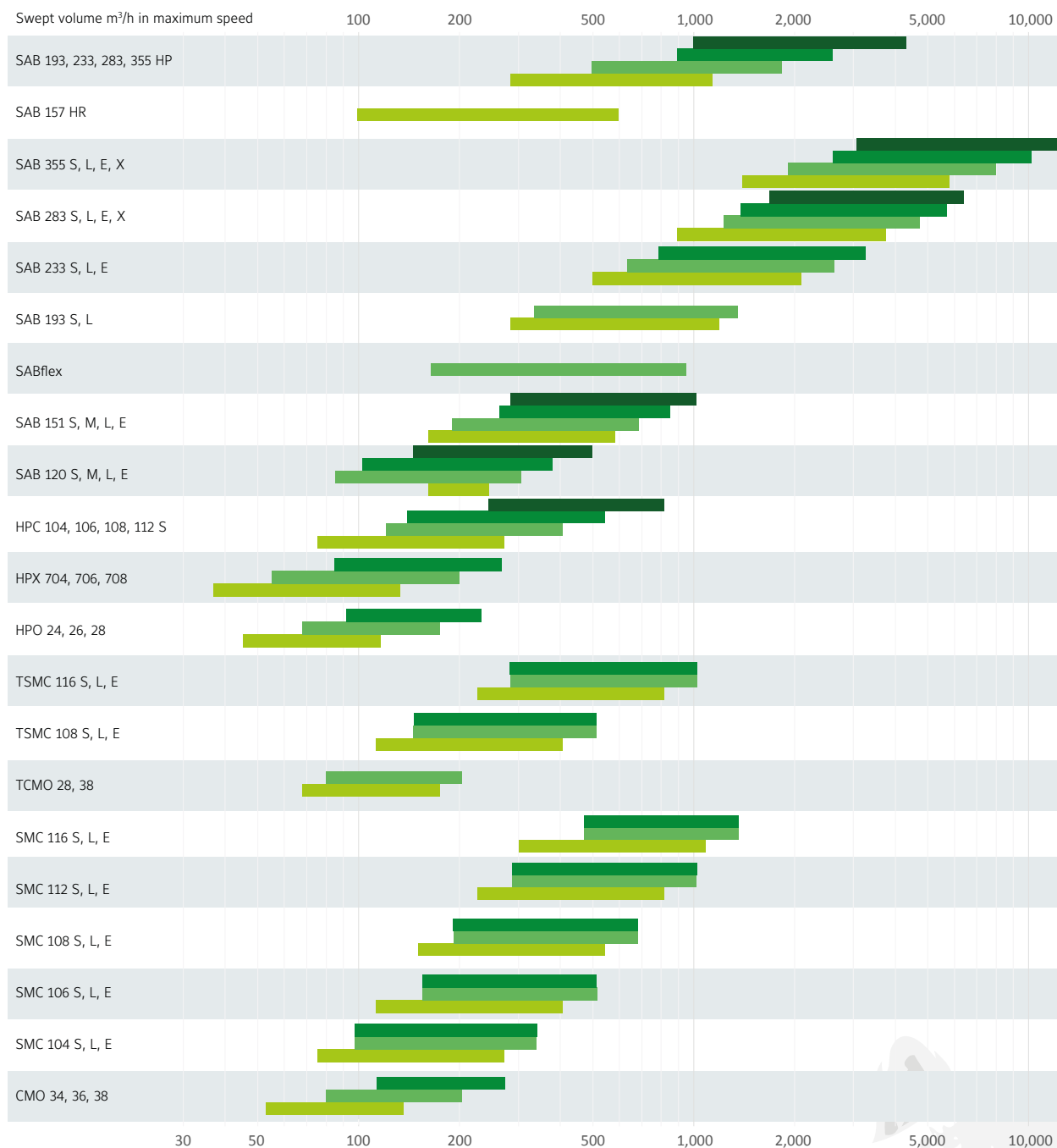
The vast majority of SABROE compressor models (both reciprocating and screw types) are available with variable-speed drive (VSD) to provide stepless control of your compressor capacity.

This helps you achieve maximum cooling effect using a minimum of energy, as well as keeping operating costs to the absolute minimum. The combination of a frequency converter, a VSD motor and the Unisab III integrated systems controller makes it possible to run the drive motor at speeds that match the load at any given time.

This enables you to reduce energy costs by as much as 30% compared with traditional fixed-speed compressors.



# SABROE compressor programme



Swept volume m³/h in maximum speed  
 (Reciprocating compressors at 50/60 Hz. Screw compressors at 50/60/70/100 Hz)

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