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CAGI Data Sheets

An apples to apples performance comparison

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Comparing compressor performances across different manufacturers has long been a difficult task. For many years, it was all too easy to present data that, although accurate, was potentially misleading. Manufacturers were selective about what information they published as well as what conditions they chose to specify performance. The result was a numbers game that the buyer frequently lost.

Fortunately, the [Compressed Air and Gas Institute \(CAGI\)](#), in cooperation with its members, has developed a tool for a fair comparison between compressors. CAGI is a non-profit organization of competitive companies that manufacture air and gas compressors and related equipment. CAGI seeks to educate end-users to promote effective, safe, and energy efficient uses of compressed air and gases.



Performance Verification and Data Sheets

CAGI members have worked closely with several standards development bodies such as PNEUROP (CAGI's European counterpart) and the International Organization for Standardization (ISO) to develop key standards for compressed air and gas systems equipment.

Under the Rotary Compressor Performance Verification Program, rotary compressors are tested according to ISO 1217 (Annex C for fixed speed compressors and Annex E for variable speed compressors). There is a standard form for participating members to publish their compressor performance information and the values published on the form are then subject to third party testing and verification.

Kaeser publishes its performance data sheets on dedicated [webpages](#), as do other participating manufacturers. In addition, CAGI publishes the links to the manufacturers' data sheets on its website at www.cagi.org/performance-verification/data-sheets.aspx.

CAGI data sheets are a huge help in selecting the most energy efficient compressor. By standardizing the values recorded and how the measurements are taken, it is possible to make clear "apples to apples" comparisons between two or more models. The bottom line on the data sheet is the "Specific Package Input Power at Rated