KAESER COMPRESSORS

CAGI Data Sheets

Blower Performance Comparison

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Comparing blower performances across different manufacturers and technologies 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 blowers. 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.

MEMBER OF CAGI™ Compressed Air & Gas Institute

Performance 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 *Performance Test Code for Electric Driven Low Pressure Air Compressor Packages* (BL 300), there is a standard form for participating members to publish their blower performance information.

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 will be very helpful in selecting the most energy efficient blower. By standardizing how these values are reported, it is possible to make clear comparisons between two or more models. The bottom line on the data sheet is the "Specific Package Input Power at Rated Capacity and Full Load Operating Pressure". This value (expressed in kW/100 cfm) is the measure of blower package efficiency. The lower the value, the more efficient the package is. This is a quick and easy way to see which blower uses less power at the stated conditions.