

Leading air compressors blowing “green” air

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MEDIA RELEASE

Compressed air matters to industry. Its primary but hidden cost is energy consumption, which costs as much as 80% of the total life cost of the compressor. Therefore, efficiency in compressed air systems has a significant impact on costs and on the environment.

Around 10% of the total industrial electricity consumption in developed countries is used to compress air, and for air-heavy industries such as mining, it can represent up as 40% of the total electricity cost. Studies have found that energy savings through efficient compressed air could be as high as 71% (Kaeser Compressors).

To respond to the constant need to reduce operating costs, and the responsibility of industry to minimise environmental impacts, a number of elite compressed air manufacturers offer advanced products with remarkable efficiency, and services to help industry maximise efficiency for specific applications. Some are summarised here.

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- Atlas Copco offers certified “net zero energy consumption” compressors – the “Carbon Zero” range. 100% of the electrical power input can be recovered in the form of hot water for other applications.
- Champion Compressors uses the AirMetrix System Assessment to help industry identify areas of waste in compressed air systems, and facilitate targeted improvements. It uses a specialist real-time data logging meter which provides much higher accuracy than traditional tools.

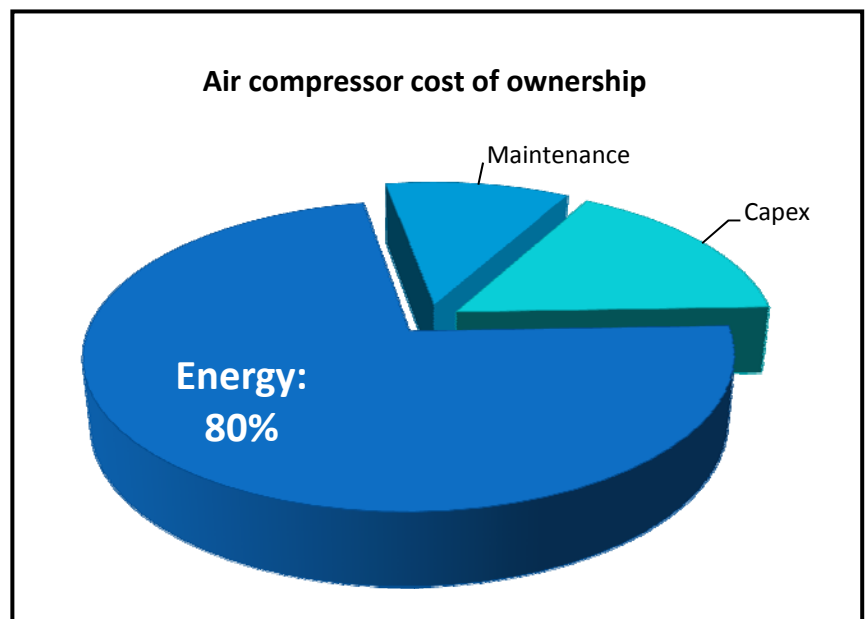


Figure 1 Source: Atlas Copco

- Boge Compressors has launched a new compressor controller – the Boge FOCUS - which operates according to the customer’s actual compressed air demand, ensuring you get only as much air as you need.
- Kaeser Compressors optimise compressed air systems with advanced data logging to identify actual use profiles. The profiles are analysed by its specialist software ‘Kaeser Energy Saving System’, or KESS, to provide an overall optimal system solution.
- Pilot Air Compressors have a new portable diesel rotary screw compressor ideal for mine service vehicles, with a low noise level of only 72 dBa.

For more information on efficiency of compressed air systems and air compressors in general, please visit Compressed Air Australasia at www.compressedair.net.au, or contact our members:

- Atlas Copco: 1800 023 469 or ausairinfo@au.atlascopco.com
- Champion Compressors: 1300 CHAMPION (1300 242 674)
- Boge Compressors: (08) 9528 2157 or www.boge.net.au
- Kaeser Compressors: www.kaeser.com.au
- Pilot Air Compressors: sales@pilotair.com.au

Yearly energy consumption by compressed air systems

Country	Compressed Air Systems consumption (TWh)	% of industrial electricity consumption
France	12	11
Germany	14	7
Italy	12	11
United Kingdom	10	10
Rest of the EU	32	11

Source: Blaustein, Edgar; Radgen, Peter (Ed.): Compressed Air Systems in the European Union. Energy Emissions, Savings Potential and Policy Actions. Stuttgart 2001.

Figure 2 Source: Atlas Copco

