

Press Release

New CompAir FourCore range balances two-stage efficiency with single-stage footprint

CompAir has announced the launch of its new 160, 200 and 250 kW FourCore compressor range, combining best-in-class compressed air efficiency with a small footprint and sustainable design for eco-conscious businesses.

The FourCore range offers all the capabilities of a two-stage compressor, but with only the footprint of a single-stage unit. It therefore provides businesses – who might not have previously had the on-site space available – the opportunity to take advantage of the capabilities of two-stage technology. And when compared with previous single-stage compressors in this size range from CompAir, the new models are up to 8 per cent more efficient, offering a best-in-class oil-lubricated solution for decision makers.

At the heart of these latest models is CompAir's new GD10-DS airend, which is where the range takes its 'FourCore' name from. This compact, two-stage airend uses four gears rather than three, to deliver flexible rotor speed adjustment at both low and high pressures, as well as the best possible performance at different discharge pressures and shaft speeds. The new GD10-DS airend is semi-integrated, with the oil filter, check and temperature valves, and distribution system all integrated into the airend's package. This results in less connections and pipework, minimising the likelihood of leaks and enabling easier servicing.

With the airends designed and manufactured at CompAir's Centre of Excellence in Simmern, Germany, owners and operators can have every confidence that the airends meet the highest quality standards which the brand is known for.

The new FourCore range has also been designed with the objective of reducing waste and improving sustainability throughout the entire product lifecycle. The new compressors have been developed with a view of reducing the number of unnecessary parts and materials, achieved through the latest product innovations and design solutions.

This has resulted in a solution that not only runs more efficiently than alternative compressor technologies, but one that has been created with sustainability at its heart, right from the very beginning of the product's lifecycle. For instance, in terms of reduced carbon emissions, when compared with a traditional compressor the new 160-kW model, running for 8,000 hours a year, can reduce the equivalent greenhouse gas emissions of 32 passenger cars, or 371,800 miles driven by a single car passenger car, over the course of one year. This is the same amount of carbon sequestered by 181 acres of forest.

The environmental credentials of the range is impressive too. When compared with a conventional two-stage compressor, the new 200 kW model uses 22 per cent less materials and can help cut waste by up to 19 per cent.

And with predicted payback periods of between only one to two years, due to the considerable energy savings that are possible with CompAir's FourCore range, businesses can be assured that they're investing in a compressed air solution that will have a big impact on their bottom line.

To help deliver further energy efficiencies, integrated heat recovery is offered as an option on the new range. By recycling the heat generated from a compressor, which would otherwise be lost to the atmosphere, businesses can re-purpose this energy to heat water, for space heating, or for application processes in other areas of the installation.

Available in both air-cooled and water-cooled models, as well as variable speed and fixed speed options, the compressors are supported by CompAir's Assure warranty. This covers ten years on the airend (or up to 44,000 hours), and six years on the compressor package. An efficient, energy-saving IE4 electric motor is also offered as standard with the range.

Dora Artemiadi, Product Manager at CompAir, said: "Ideally suited to large energy users, such as those in the manufacturing and automotive sectors, we have developed our latest FourCore range to deliver a premium compressed air solution. The new GD10-DS airend is critical to this, helping us to create a compressor that can deliver all the efficiencies of a two-stage machine, while only taking up the space of a single-stage system. For those with limited available space, this kind of innovation could make a huge difference to their energy usage, drastically cutting costs.

"Supported by the largest range of air treatment products, all available from a single brand to make our customers' lives easier, organisations can rest assured that a system from our FourCore range will deliver an unrivalled compressed air solution."

To find out more about the new 160, 200 and 250 kW FourCore compressors, please visit <https://www.compair.com/en-gb/rotary-screw-air-compressors/160-250kw>

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About CompAir

With over 200 years of engineering excellence, CompAir offers an extensive range of reliable, energy efficient compressors, dryers and accessories to suit all applications. An extensive network of dedicated CompAir sales companies and distributors around the world provide global expertise with a truly local service, ensuring CompAir's advanced compressor technology is backed up with the right support. CompAir has consistently been at the forefront of the compressed air market, developing some of the most energy efficient and sustainable compressors available today, helping customers to achieve or surpass their environmental targets.

CompAir is part of Ingersoll Rand Inc.

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