

Press Release

The Best just got Better! Best-in-class Flow Rate. Best-in-class Economy.

CompAir has announced a range extension on its FourCore compressors – adding **110 and 132kW fixed and regulated speed units** to an already outstanding range – combining **best-in-class compressed air efficiency** with a compact and sustainable design.

The **new 110 and 132kW units** offer **outstanding energy efficiency** and **high flow rates**, allowing, in some cases, for smaller compressors to be installed, leading to less kW consumption, less noise, less parts and, of course, less investment.

Less is quite obviously more with FourCore!

As a result, a 132kW FourCore compressor, compared to a conventional single-stage unit, can **save up to 7000 €/year** and reduce CO₂ emissions by 35 tons/year, equivalent to 82,600 miles driven by a petrol-powered passenger car.

The FourCore range offers all the capabilities of a two-stage compressor but with the footprint of a single-stage unit and up to **8% more efficient**.

At the heart of these models is CompAir's latest GD10-DS airend, which is where the range takes its 'FourCore' name from. A compact, two-stage airend designed and manufactured at CompAir's Centre of Excellence in Simmern, Germany – it uses four gears rather than three to deliver flexible rotor speed adjustment at both low and high pressures and the best possible performance at different discharge pressures and shaft speeds. The 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 fewer connections and pipework, minimising the likelihood of leaks and enabling easier servicing.

The FourCore range has also been designed to reduce waste and improve sustainability throughout the product lifecycle. The compressors have fewer unnecessary parts and

materials, resulting in a more efficient solution than alternative compressor technologies. **The environmental credentials of the range are impressive.** Compared with a conventional two-stage compressor, the 200 kW model, for instance, uses 22 per cent less materials and can help cut up to 19 per cent of waste.

With predicted **payback periods of between one and two years**, due to the considerable energy savings possible with CompAir's FourCore range, this compressed air solution will significantly impact a business's bottom line.

Integrated heat recovery is an option on the range to help **deliver further energy efficiencies.** 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 application processes in other installation areas.

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 (up to 44,000 hours) and six years on the compressor package. An efficient, energy-saving IE4 electric motor is 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 innovative GD10-DS airend is critical to this, helping us to create a compressor that can provide **all the benefits 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 massive difference to their energy usage, drastically cutting costs.*

*Supported by the most **extensive range of air treatment products** 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 learn more about the new 110 and 132 kW FourCore compressors or the existing 160, 200, and 250 kW models, please visit:

<https://www.compair.com/en-gb/rotary-screw-air-compressors/90-132kw>