

## Media Release

Voith Turbo

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### Voith LP 560 air compressor – state-of-the-art and environmentally friendly

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- Cutting-edge TwinSave technology for up to 15 percent energy and CO<sub>2</sub> savings in non-delivery mode.
- Maintenance-free dual-taper coupling for energy, weight, and installation space savings and approx. 30 percent reduction in CO<sub>2</sub> emissions.
- Already proven in use in the high-efficiency lines of well-known truck manufacturers.

**HEIDENHEIM, GERMANY.** Voith air compressors are technological leaders and, especially in the truck sector, also represent a significant milestone on the road to more environmentally friendly mobility. Due to their two-stage compression with intermediate cooling, they greatly outperform single-stage air compressors in delivery mode. And this is with much lower energy consumption and CO<sub>2</sub> emissions. What's more, even in non-delivery mode, Voith air compressors provide for maximum efficiency and lower emissions with innovative technologies. This is best shown by the LP 560, which has already proven its success in use in the high-efficiency lines of major truck manufacturers – with two cylinders, an extra lightweight housing, cutting-edge TwinSave technology, and a maintenance-free dual-taper coupling.

“The economical and particularly environmentally friendly design of the LP 560 is actually well thought out down to the smallest detail,” says Jörg Auerswald, Vice President Engine Components at Voith Turbo. “It all starts with the extra lightweight high-pressure die-cast aluminum housing that allows for a higher payload due to its lower weight – while offering better corrosion protection and optimal heat transfer.”

The real heart of the LP 560 is the integrated TwinSave technology. In practice, this means that each of the two compressor stages has a control valve. If the valves are opened in non-delivery mode, neither of the compressor stages performs compression work. Instead, the air can

circulate freely in the unit. This reduces the drive power and additionally provides significant savings in terms of energy consumption and CO<sub>2</sub> emissions. In non-delivery mode, it offers total savings of up to 15 percent over single-stage air compressors and technologies based on the self-idling system (SLS).

The LP 560's innovative dual-taper coupling also saves energy and emissions as well as weight and installation space. The low energy consumption in non-delivery mode, the optimized weight compared with that of coupling solutions commonly used today, and the flange-integrated design make this possible. In addition, the dual-taper coupling is completely maintenance-free and fail-safe, as no replacement of wear parts is required. This additionally reduces the CO<sub>2</sub> emissions by approx. 30 percent.

“In short, the perfect interplay between all components supports the economical and particularly environmentally friendly design of the LP 560 – both in theory and in practice – and thus naturally makes it interesting for the numerous major truck manufacturers that are already favoring it for installation into their high-efficiency lines today,” says Auerswald.

### **About the Voith Group**

The Voith Group is a global technology company. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, paper, raw materials and transport & automotive. Founded in 1867, the company today has around 22,000 employees, sales of € 5.5 billion and locations in over 60 countries worldwide and is thus one of the larger family-owned companies in Europe.

The Group Division Voith Turbo is part of the Voith Group and a specialist for intelligent drive technology, systems as well as tailor-made services. With its innovative and smart products, Voith offers highest efficiency and reliability. Customers from highly diverse industries such as oil and gas, energy, mining and mechanical engineering, ship technology, rail and commercial vehicles rely on the advanced technologies and digital applications of Voith.

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The two-stage Voith LP 560 air compressor – including two cylinders, extra lightweight housing, cutting-edge TwinSave technology and maintenance-free dual-taper coupling.

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