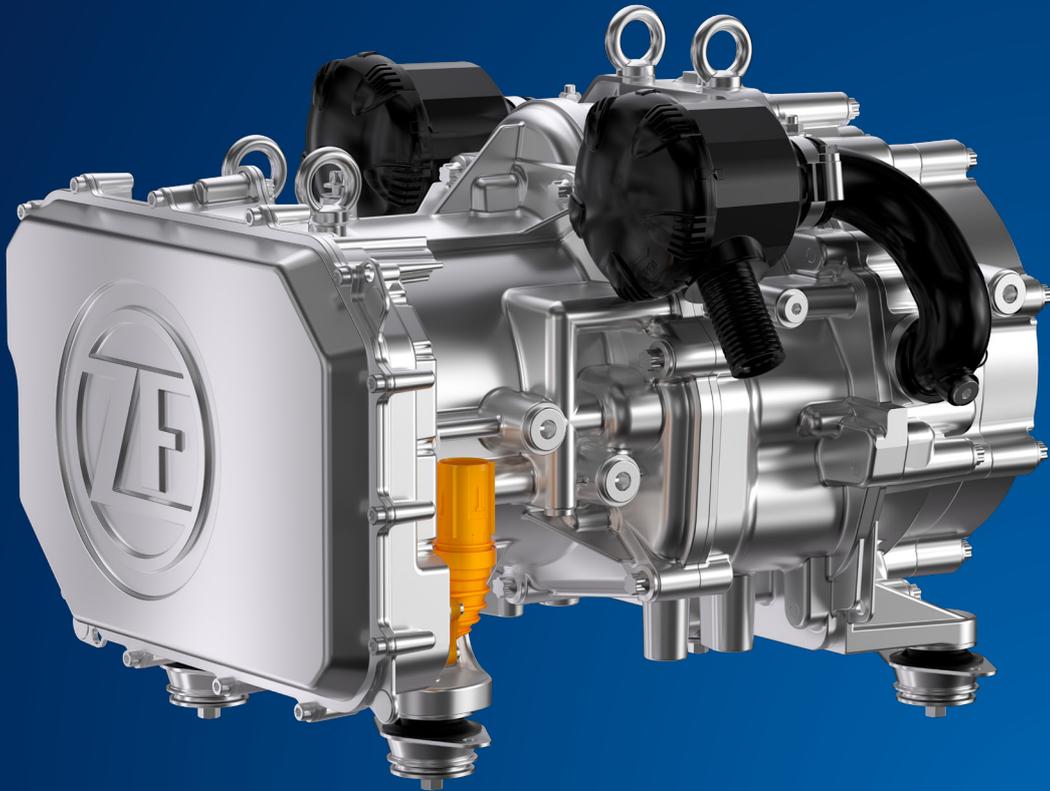


e-comp® Scroll

Electric Air Compressor

Excellence in compressed air generation dedicated
to electric commercial vehicles

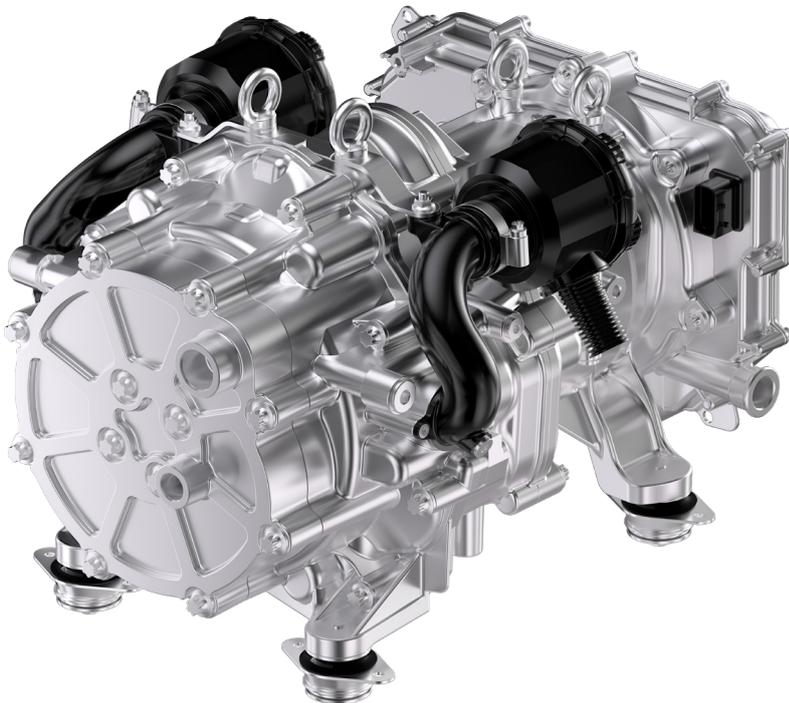


ZF's state-of-the-art electric air compressor for EV commercial vehicles

The innovative design of e-comp Scroll allows oil-free, low-noise, and low-vibration operation. The absence of oil lubrication offers a compelling advantage - lower Total Cost of Ownership. By eliminating the need for oil exchanges, fleet operators can significantly reduce maintenance costs, extend the system's lifespan and reliability.

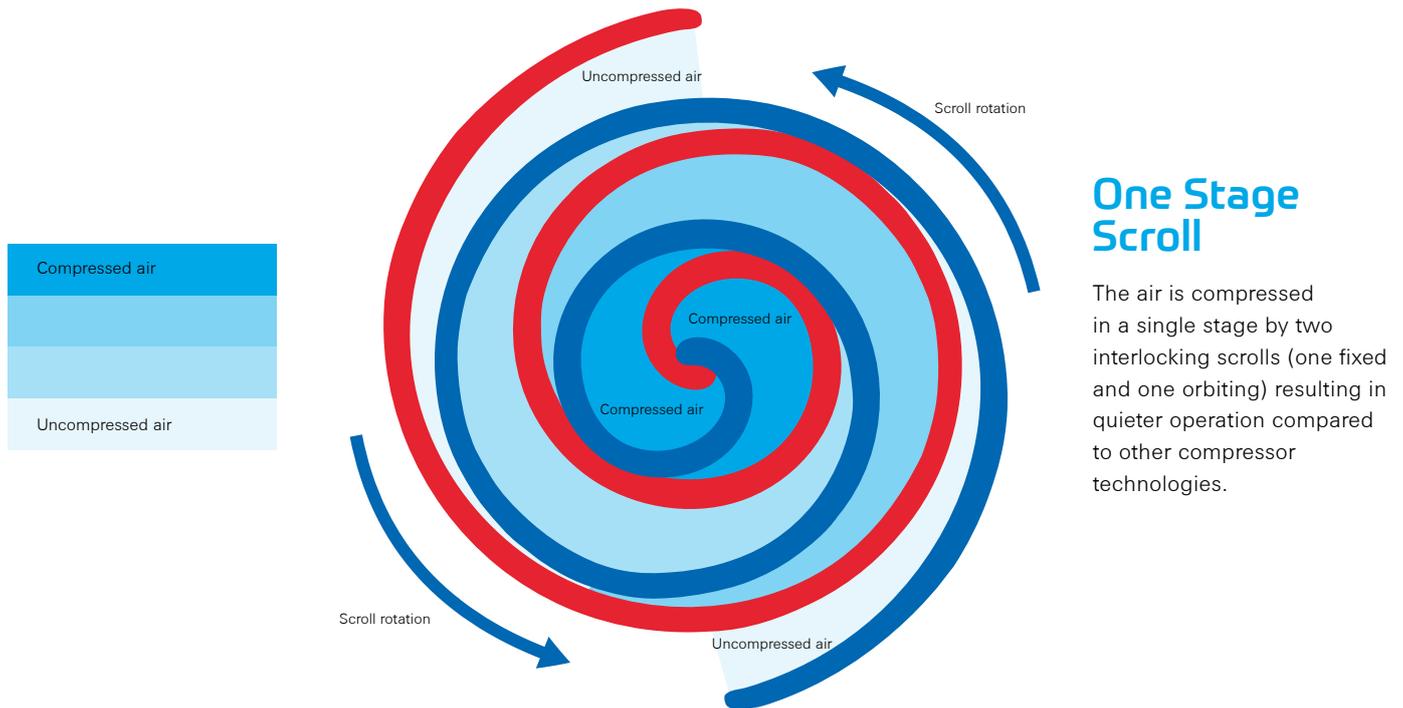
Value to Customers

- Enables smooth operation with minimized noise emission
- Helps to increase driver and passenger comfort
- Provides premium air quality for minimized service requirements
- Supports to increase uptime with remote pressure build-up ahead of drive-off
- Helps to increase robustness and component lifetime
- Enhances energy savings due to compressor shut off when no compressed air is required



Technology Highlights

- Scroll technology
- Oil-free design
- Low-noise operation
- Low TCO



Technical Features

- Provides energy-efficient, low-noise and low-vibrations air compression for medium and heavy-duty hybrid, battery electric and fuel cell commercial vehicles
- Integrates an e-motor, inverter and liquid-cooling system into a compact design
- Provides a totally oil-free solution to eliminate lubrication and oil carry-over
- Enables remote pressure build-up independent of the main drive
- Compresses air up to 12.5 bar system pressure in one stage
- Integrated after-cooling enables end-compression temperature below 90°C
- Leverages innovative scroll technology designed to reduce vibrations and noise level

The ZF Difference

- Innovative design provides low-noise and energy-efficient air generation for medium and heavy-duty hybrid and electric commercial vehicles
- Supports global sustainability and zero emission vehicle targets
- Contributes to considerably lower Total Cost of Ownership (TCO) compared to other electric air compressor technologies

For further product details contact your sales representative.

For information about our product portfolio, visit: zf.com/cv

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