

80V PLATFORM ELECTRIC AIR COMPRESSOR

Reliable Compressed Air for Off-Highway Electric Applications

The transition toward electrification in off-highway vehicles introduces new challenges for auxiliary systems. Harsh environments, demanding duty cycles, and space constraints require compressors that are compact, durable, and fully aligned with vehicle electrical architectures.

This 80V Electric Air Compressor is specifically engineered for off-highway and vocational electric vehicles, delivering dependable compressed air performance while integrating seamlessly into existing 80V platforms. Designed for robustness and ease of service, it ensures reliable operation even in the most demanding environments.

- Compact
- Low Noise
- Robust
- 80V Architecture



Technical Information

Flow Range:
210 to 450 l/min

Pressure Range:
Up to 13.5 bar

Voltage Options:
80 V

Final Oil Content:
≤ 3.6 mg/m³

Ingress Protection:
IP67

Noise Level:
Low-noise operation, suitable for sensitive working environments

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Applications

Compressed air is a critical utility across a wide range of off-highway vehicle functions. This 80V electric compressor is ideal for:



Airport support vehicles



Mining vehicles



Airport shuttle buses



Material handling equipment



Construction vehicles

Its robust design makes it well suited for vehicles operating in extreme temperatures, dusty conditions, and high-vibration environments.



Features & Benefits

Small Footprint, Flexible Packaging

Designed with installation constraints in mind, the compressor's compact footprint allows easy integration into tight vehicle layouts, supporting efficient packaging without compromising performance.

Native 80V Compatibility

Fully aligned with existing 80V vehicle architectures, eliminating the need for additional voltage conversion and reducing system complexity.

Built for Harsh Environments

- IP67-rated for protection against dust and water ingress
- Engineered for durability in construction, mining, and industrial applications
- Proven resilience in high-vibration and contaminated environments

Low Noise Operation

Optimized acoustic performance ensures quiet operation, improving operator comfort and enabling use in noise-sensitive areas such as airports and urban job sites.

Easy Maintenance & Serviceability

Designed for straightforward access and simplified servicing, helping reduce downtime and maintenance effort across the vehicle lifecycle.