

# **Gardner Denver**

**Transport Solutions**

**TRANSPORT SOLUTIONS**

*We keep you moving*

# **EVX**

## **NEXT GENERATION EMOBILITY AIR COMPRESSOR**

Zero-emission vehicles are changing the way every onboard system is designed.

As OEMs work to increase battery capacity, reduce vehicle weight, lower noise emissions, and simplify integration, compressed air systems must evolve too.

EVX from Gardner Denver Transport Solutions represents the next generation of electric vehicle air compression — developed to deliver reliable performance in one of the smallest and lightest fully integrated packages in its performance class.

**SMALLER.  
LIGHTER.  
QUIETER.**



[www.gardnerdenver.com/transport](http://www.gardnerdenver.com/transport)



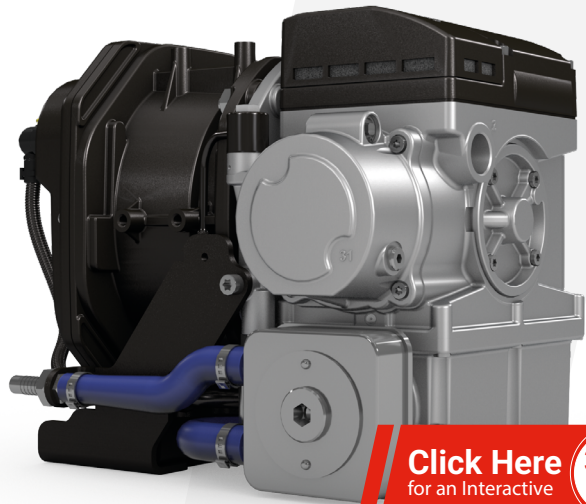
# eMobility Has Changed Vehicle Design

The move to zero-emission vehicles is more than a change in propulsion. It is a complete shift in vehicle architecture.

Today's OEMs must design around:

- Battery capacity
- Vehicle range
- Payload potential
- Chassis space
- Noise reduction
- Energy efficiency
- Integration complexity
- Serviceability
- Environmental performance

For compressed air systems, this creates a clear challenge:



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**360°**  
Tour

**How do you deliver the air performance vehicles need while taking up less space, adding less weight, and reducing engineering complexity?**

At Gardner Denver Transport Solutions, our answer is continuous innovation — from proven electric compressor platforms to the next-generation EVX.

## Supporting the Evolution of Sustainable Transport

Gardner Denver Transport Solutions has supported electric, hybrid, and fuel cell vehicle applications across medium and large-sized trucks, full-size buses, articulated buses, BRT systems, distribution vehicles, and specialist vehicles.

Our eMobility portfolio has evolved around the changing needs of the market:

- More compact compressor packages
- Lower system weight
- Improved energy efficiency
- Reduced operating noise
- Easier vehicle integration
- Reliable performance in demanding environments
- Strong aftermarket and service support

From earlier electrified compressor systems to the TX and TV Series, our direction has remained consistent:

### Deliver More Performance in Less Space

The EVX is the next step in that journey.

# The Evolution of eMobility Air Compression

From electrified packages to fully integrated next-generation systems

## 1. Early Electrified Compressor Packages

### Electrification Begins

Early electric compressor packages helped support the transition from conventional vehicle platforms to hybrid and electric architectures.

These systems demonstrated that reliable compressed air could be delivered in electric commercial vehicle applications.

## 2. TV Series

### Versatile & Robust

The TV Series provided reliable electric compressor performance for high-demand applications including trucks, buses, trolleybuses, and metro systems.

Designed for electric drive systems and retrofit applications, the TV Series supported flexible integration across different vehicle platforms.

## 3. TX Series

### High Efficiency in a Compact Package

The TX Series introduced a more compact and lightweight approach to electric air compression.

With compact design, quiet operation, simplified installation, and easier maintenance, TX helped address growing OEM requirements for efficiency, packaging, and serviceability.

## 4. EVX

### The Next Generation

EVX takes the next step by integrating core system functions into one compact, vehicle-ready package.

### Compressed air evolves from component technology



# Smaller Packages. Bigger Possibilities.

In zero-emission vehicles, space is one of the most valuable resources.

Battery systems, driveline components, thermal management systems, safety systems, and vehicle electronics all compete for limited chassis space.

That is why compressed air systems must become smaller, lighter, and easier to integrate.

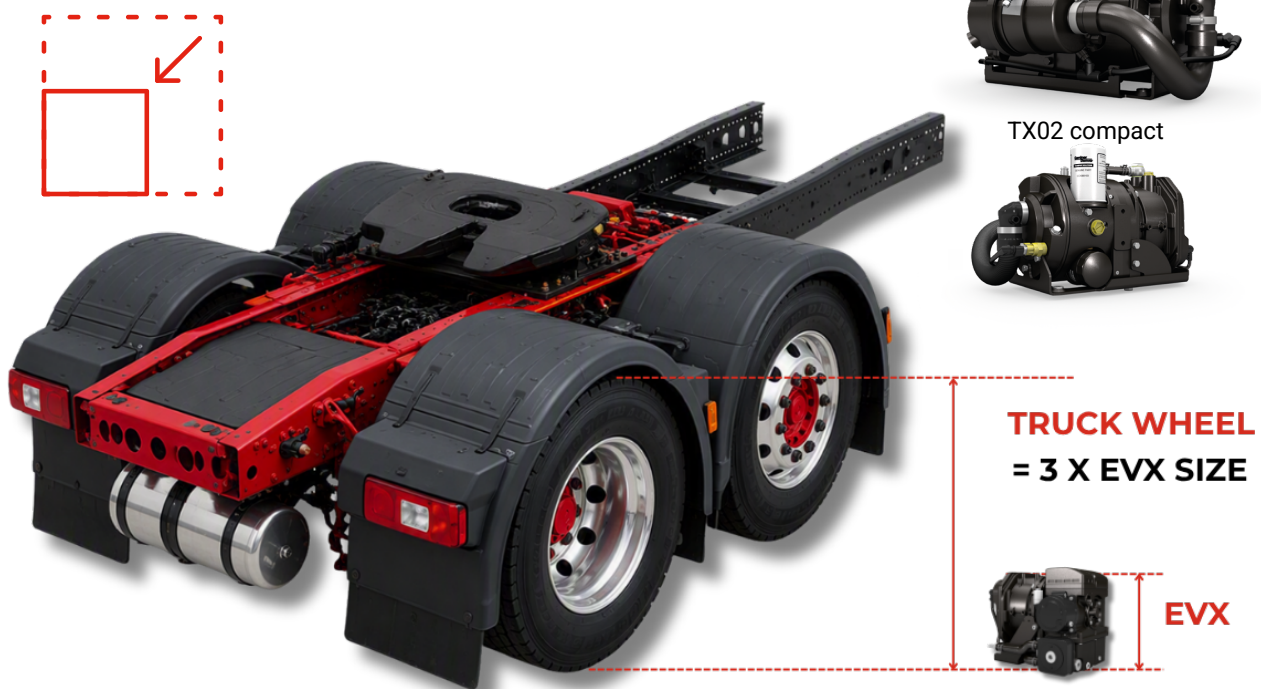
With each generation, Gardner Denver Transport Solutions has focused on reducing package size while improving performance, reliability, and integration.

This evolution helps OEMs:

- Free valuable chassis space
- Support larger battery installations
- Improve packaging flexibility
- Reduce installation complexity
- Improve payload potential
- Simplify vehicle architecture
- Support more efficient vehicle design

## EVX is the result of this continuous development

### Size Reduction



TV01



TA02



TX02



TX01



TX02 compact



**TRUCK WHEEL**  
**= 3 X EVX SIZE**

**EVX**





# EVX

## Built for the Next Generation of Electric Vehicles

The EVX is Gardner Denver Transport Solutions' next-generation electric air compressor, developed specifically for zero-emission commercial vehicles.

It delivers reliable compressed air performance in a reduced package size and weight, helping support vehicle range, payload capacity, packaging flexibility, and passenger comfort.

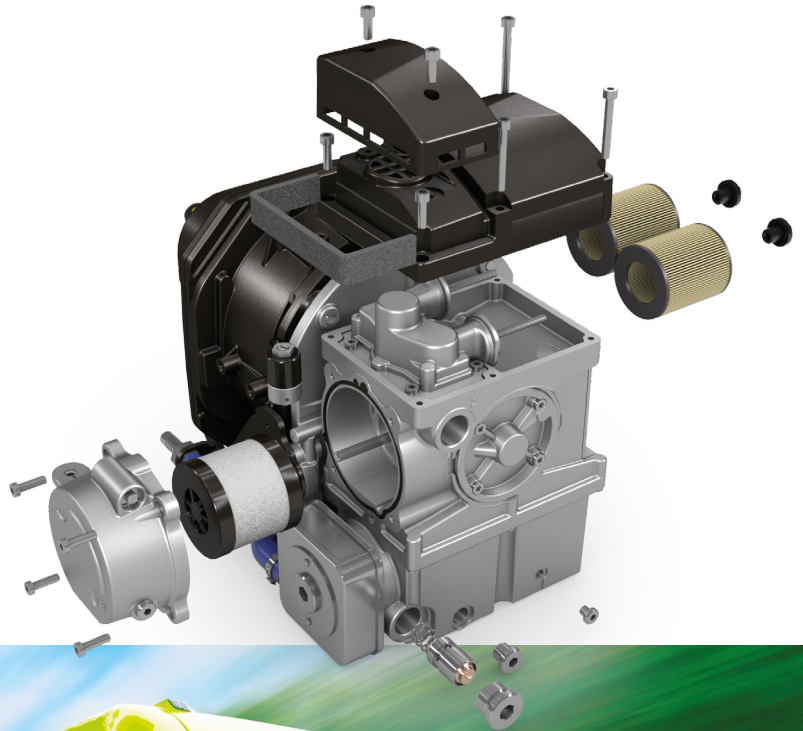
Unlike systems that require multiple separate components mounted around the vehicle, EVX brings key functions together into one compact integrated solution.

### Fully Integrated. Vehicle-Ready.

EVX combines:

- Compressor technology
- Integrated control drive
- Oil management
- Vehicle communication
- Cooling integration
- Serviceability-focused design

The result is a simpler, cleaner, more compact approach to electric vehicle air compression.



# Designed Around OEM Priorities

## Smallest & Lightest Fully Integrated Package

EVX is designed to reduce package size and weight while delivering the compressed air performance required by modern zero-emission vehicles.

**Benefit: More space for batteries, payload, and vehicle optimization.**

## Engineered for Silence

Electric vehicles have changed noise expectations. With quieter drivetrains, ancillary systems become more noticeable.

EVX delivers low-noise performance, with noise levels below 69 dB(A) free field at 1 m and as low as approximately 69 dB(A) measured during testing.

**Benefit: Quieter operation for passengers, operators, and urban environments.**

## Fully Integrated Control Drive

EVX supports seamless integration with vehicle electrical and control systems, including CAN communication via J1939 / UDS.

**Benefit: Reduced engineering complexity, easier commissioning, and fewer external components.**

## Proprietary Moisture Mitigation Design

EVX includes a proprietary design for reliable low-duty and intermittent operation.

**Benefit: Dependable performance across real-world electric vehicle duty cycles.**

## Built for Lower Total Cost of Ownership

With in-situ servicing, access from multiple sides, and long service life, EVX is designed to reduce maintenance complexity and support lower lifecycle costs.

**Benefit: Less downtime, easier maintenance, and improved fleet uptime.**





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# The Evolution Continues

From early electrified compressor packages to the TX and TV Series, Gardner Denver Transport Solutions has continued to support the changing needs of zero-emission vehicles.

Now, EVX represents the next evolution.

## Smaller. Lighter. Quieter. Smarter.

EVX is more than an electric compressor.

It is a fully integrated eMobility air system designed around the needs of next-generation commercial vehicles.

## EVX

### Ready to simplify electric vehicle air compression?

Speak to our eMobility experts and discover how EVX can help reduce package size, simplify integration, and support more efficient zero-emission vehicle platforms.



Gardner Denver Transport Solutions

# Gardner Denver

## TRANSPORT SOLUTIONS

*We keep you moving*

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## **Transport Solutions**

### **About Gardner Denver Transport Solutions.**

We develop market leading designs and products that give you operational excellence and minimal whole life cost. We are innovative with applications, systems and controls. Our Performance ranges from the lowest vacuum to the highest pressure and we are focused on providing environmentally friendly solutions.

For more information,  
visit [www.gardnerdenver.com/transport](http://www.gardnerdenver.com/transport)



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