

ТХ, TV

Технические характеристики

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Electric 'E' Compressor

TX Series

Gardner Denver's TX series is specifically designed for the electric bus and truck market. E compressors – pneumatic equipment developed specifically for electric drives – in this range deliver market-leading performance in a compact and lightweight package.

All critical air functions are covered, including braking, suspension, kneeling and door operation. The TX range of compressors are also capable of meeting the demands of hybrid, fully electric and vehicles running on alternative fuels like hydrogen cells.

**Quiet
Operation**

Solutions As Low As 35kg

20% Smaller Packages

Simple Maintenance

Features & Benefits

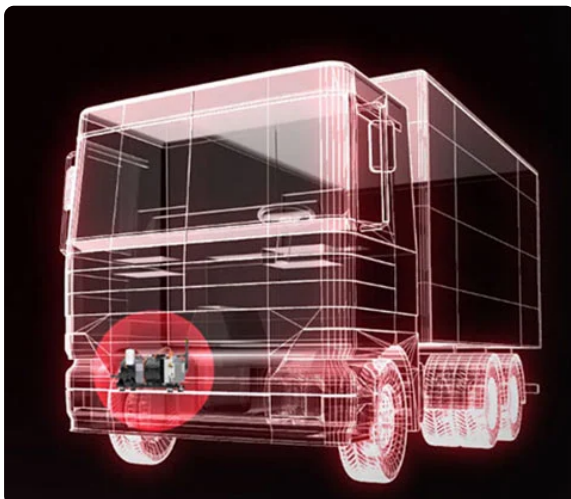
Packaged Solutions

Gardner Denver works closely with customers to design and deliver the best compressed air solution. Our engineers will assess a customer's requirements and match up the most appropriate package for a chosen application. This bespoke level of support is provided to reflect the diverse needs found across the electric bus and truck market.

Flexible e-Mobility Applications

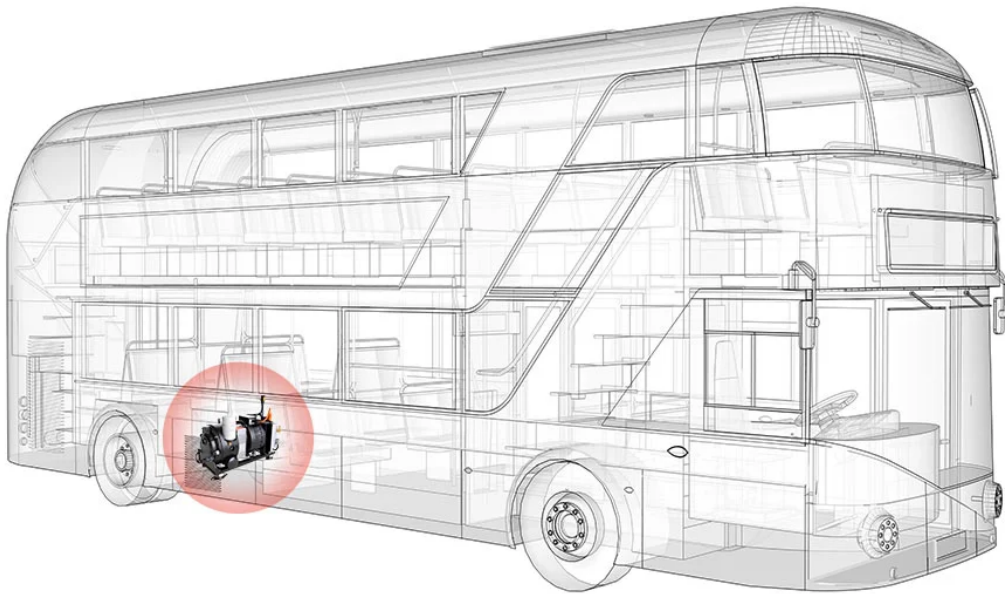
Users of the TX series benefit from a variable flow rate between 90 – 450 L/min. This means a single package can be installed across a fleet of different vehicles, no matter the size, without any air supply issues. Gardner Denver's TX02, for example, is able to accommodate the demands of a small truck as well a full-sized trolleybus.

The TX series is direct driven and compact, allowing it to be easily integrated on a wide range of different chassis without major changes to a vehicle's set up. Products in this range are also lightweight, meaning more room for passengers or products.



Pulsation Free Air

Pulse-free air makes the TX series ideal fit for inner-city use, particularly where noise needs to be kept to a minimum. This technology also eliminates the significant vibrations that are often found on other less-efficient compressor designs, guaranteeing driver and passenger comfort without compromising performance.



TX02 Compressor

TX02 E Compressor Package

The TX02 e compressor is ideal for operators of electric truck and buses. See below for a full technical specification.

Flow Range

180 - 450 l/min

Pressure Range

7 - 13.5 bar(g)

Final Oil Content*

<3.6 mg/m³

Sound Pressure Level**

<69 dB(A)

Ambient Temperature Range

-30 to 60 °C

* Under normal operation.

** Maximum measured in a 1m free field condition.

Figures are indicative of air end performance and are subject to change dependant on the specific package and scope of supply.

Applications

Transit Applications

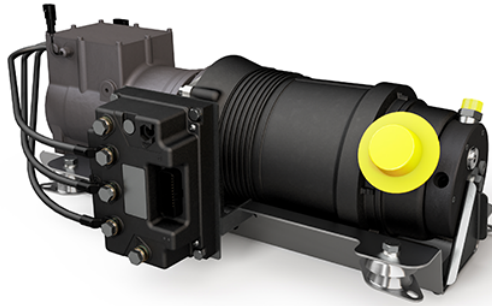
TX series compressors are versatile and able to rise to different challenges in the field. Variable flow rate means a wide range of applications can be accommodated without any impact on performance. This alongside Gardner Denver's bespoke approach leaves no job beyond reach.

Service Capabilities

Our leading engineering teams design our products to be easily servicable and calculate our maintenance intervals to maximise uptime whilst ensuring our solutions remain at peak efficiency for years of service. In the video below, our e-Mobility Product Specialist will lead you through our first highlight of this principle in

action, showing how quick and easy our TX range of electric compressors can be serviced if you use our certified service kits and application knowledge.

Products in the TX series of electric compressors require typically only one service every year, allowing your fleet to spend more time on the road. We also highly encourage and implement a safety stock system nearby to minimise interruptions to service, supported by our global network of strategic partners. 'We keep you moving' is not just a strapline but our promise to you. To find out more about Gardner Denver's e-Mobility aftermarket portfolio, including our service kits, recommended maintenance intervals and localised support network, view our [aftermarket capabilities homepage](#).



Electric Air Compressor

TV Series

Gardner Denver's TV series offers a range of versatile electric compressors that are capable of meeting the most demanding air applications. These products have been developed over many years and are recognised for their reliability even when used in tough conditions.

**Quiet
Operation**

Easily Maintained

Compact Solutions

Lightweight Packages

Features & Benefits

Matched For Electric Drives

Gardner Denver's electric compressors are designed to be effective for use in electrified drive systems. Efficiency therefore depends on the interface between on-board technology and the vehicle's electronics. We offer a range of different drive configurations to support this interface and achieve the best possible performance.

e-Mobility Applications

The TV series has been developed to provide high-quality compressed air across a range of different applications, ranging from 10-12m trucks and buses all the way up to 18m trolleybuses and metro systems. However, these products are also capable of providing where this is a high air and duty demand, such as HGVs, trolleybuses, metro systems and large articulated city buses that are often stopping and starting.

Ease Of Integration

Like other Gardner Denver products, this range has been designed to easily integrate into a vehicle's chassis. Our compressor packages aim to keep size and weight to a minimum – this ensures that fitting is straightforward and any disruption to service is limited.

The TV series can also be retrofitted for customers using a legacy ROL compressor.

TV01 Compressor

TV01 Electric Compressor Package

The TV01 electric compressor is suited to vehicles with low air

demand. See below for a full technical specification.

Flow Range

80 - 260 l/min

Pressure Range

7 - 12 bar(g)

Final Oil Content*

<3.6 mg/m³

Sound Pressure Level**

<69 dB(A)

Ambient Temperature Range

-25 to 50 °C

* Under normal operation.

** Maximum measured in a 1m free field condition.

Figures are indicative of air end performance and are subject to change dependant on the specific package and scope of supply.

TV04 Compressor

TV04 Electric Compressor Package

The TV04 electric compressor is best matched where this is both a high air demand. See below for a full technical specification.

Flow Range

320 - 660 l/min

Pressure Range

7 - 12 bar(g)

Final Oil Content*

<3.6 mg/m³

Sound Pressure Level**

<71 dB(A)

Ambient Temperature Range

-25 to 50 °C

* Under normal operation.

** Maximum measured in a 1m free field condition.

Figures are indicative of air end performance and are subject to change dependant on the specific package and scope of supply.

Applications

Transit Applications

The TV series is versatile and able to accommodate different challenges in the field. The TV01, for example, can provide air for breaking, suspension and door systems in small city buses and trucks. While the TV04 is best suited to heavy duty applications

like those found on trams and light rail networks.

Service Capabilities

Our leading engineering teams design our products to be easily servicable and calculate our maintenance intervals to maximise uptime whilst ensuring our solutions remain at peak efficiency for years of service. We also highly encourage and implement a safety stock system nearby to minimise interruptions to service, supported by our global network of strategic partners. 'We keep you moving' is not just a strapline but our promise to you. To find out more about Gardner Denver's e-Mobility aftermarket portfolio, including our service kits, recommended maintenance intervals and localised support network, view our aftermarket capabilities homepage.

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