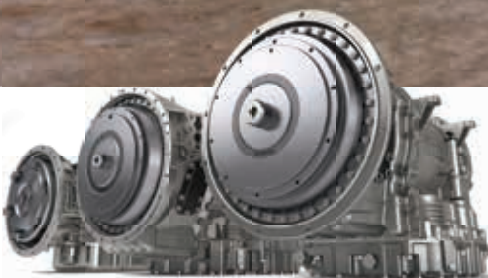




Natural Gas



Allison Automatics
The Natural Advantage

Maximize Your Natural Gas Engine

Allison Automatics get the most out of medium- and heavy-duty vehicles equipped with natural gas engines—both compressed (CNG) and liquefied (LNG)—allowing those vehicles to maximize performance with the cleaner and quieter natural gas engine.

Our torque converter's superior control at low speed and multiplication of engine torque give natural gas engines superior launch, while our electronic controls and gearbox designs allow for full-power shifting.



Up To
90%
Noise Reduction
Compared to a Diesel-Powered Vehicle

Experience the Automatic Difference

Allison's Continuous Power Technology™ does not require torque interrupts during range shifts with CNG and LNG engines. This is something that has proved impossible for manual and automated manual transmissions, which require torque interrupts to near-zero output during shifts.

To compensate for the lower power and torque per cylinder displacement associated with CNG and LNG engines, Allison's torque converter multiplies engine torque to significantly improve startability, drivability and overall productivity. This means vehicles don't suffer from the throttle-response delays seen with manuals or AMTs.



A Win-Win for Your Fleet

Allison Automatics can help you get peak performance from your natural gas engines—no matter your application or duty-cycle.

Allison-equipped natural gas vehicles maximize performance while reducing emissions and engine noise levels. This leads to a better experience for drivers, customers and consumers. Efficient operation is just the beginning:

- Reduced wear, fewer greasings and no manual clutch replacements leads to virtually maintenance-free operation
- Our patented torque converter absorbs torsional activity, extending the life of the driveline
- Multiplied torque at engine launch for better performance and greater startability
- In first gear, Allison torque converters act as a variable-speed transmission for exceptional maneuverability
- Prognostics capabilities identify maintenance needs before costly repairs are required, reducing vehicle downtime
- Optional integrated retarder leads to longer brake life by assisting vehicle braking and eliminates the need for a heavy driveline retarder

Total Control from the Driver's Seat to the Bottom Line

Superior ease of operation provides a high level of vehicle control, even in the densest city traffic. Drivers can focus on the road without being distracted by shifting gears or power interrupts.

Driver benefits:

- Helical gear design combined with a natural gas engine leads to noise reduction
- Power-shifting technology provides improved acceleration for faster merging into traffic
- More consistent power to the wheels improves control in mud, snow and off-road conditions
- No manual clutch reduces body strain in start-stop duty-cycles
- Reliable Power Take-Off (PTO) drives a wide range of external accessories





How Transit Fleets Can Go Further with Allison

Unmatched Torque Multiplication—Allison transmissions help CNG transit vehicles accelerate more smoothly and quickly, better navigate stop-and-go traffic and get people to their stops faster.

Outstanding Value—With Allison's high-quality, ultra-reliable automatic transmissions, transit fleet owners don't have to worry about the increased repairs, downtime and maintenance of AMT vehicles. You get the industry's best total cost of ownership.

Driver Recruitment + Retention—Our fully automatic transmissions provide industry-leading ease of operation versus the stress and rougher ride of other transit vehicles. If driver satisfaction is a priority for your fleet—look to Allison.

Start-Stop Fuel Economy—Natural gas transit vehicles offer a variety of fuel benefits, and those benefits are amplified with an Allison. Since our torque converter supports the engine during vehicle start-up, Allison-equipped natural gas transit vehicles deliver peak fuel efficiency.

The FuelSense® 2.0 Advantage

Allison's FuelSense® 2.0 presents upgraded features to provide even more precise balancing of fuel economy and performance:

DynActive® Shifting—This innovative shift scheduling uses an algorithm to choose the most efficient shift point, based on your specifications, vehicle and environmental parameters. You get optimized fuel efficiency and performance, no matter the driving conditions.

Neutral at Stop—This feature trims fuel consumption and emissions by reducing or eliminating the load on the engine when the vehicle is stopped.

Acceleration Rate Management—This feature mitigates aggressive driving by automatically controlling engine torque. In addition to five levels of control, it provides more precision by limiting vehicle acceleration to a customized calibrated rate.

Our Promise

Provide the most reliable and valued propulsion solutions in the world to enable our customers to work more efficiently.

- Trusted by more than 300 OEMs worldwide
- A strong history of innovation with more than 1,000 patents
- Improved fuel economy with FuelSense® 2.0 with DynActive® Shifting technology
- Over seven million fully automatic transmissions delivered

A World of Support

From our headquarters in Indianapolis, Indiana, USA, to our plants in Hungary and India, to approximately 1,500 Allison Authorized Distributors and Dealers around the globe, you are never far from the products, training, service and support you demand.

Our support starts from the moment an Allison transmission is specified. We work with you to ensure that the model and ratings fit your engine to create a tailored package of powerful performance and reliable efficiency. When you need parts or service, you can count on global access to factory-trained specialists and Allison Genuine Parts™.



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*Information or specifications subject to
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allisontransmission.com

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