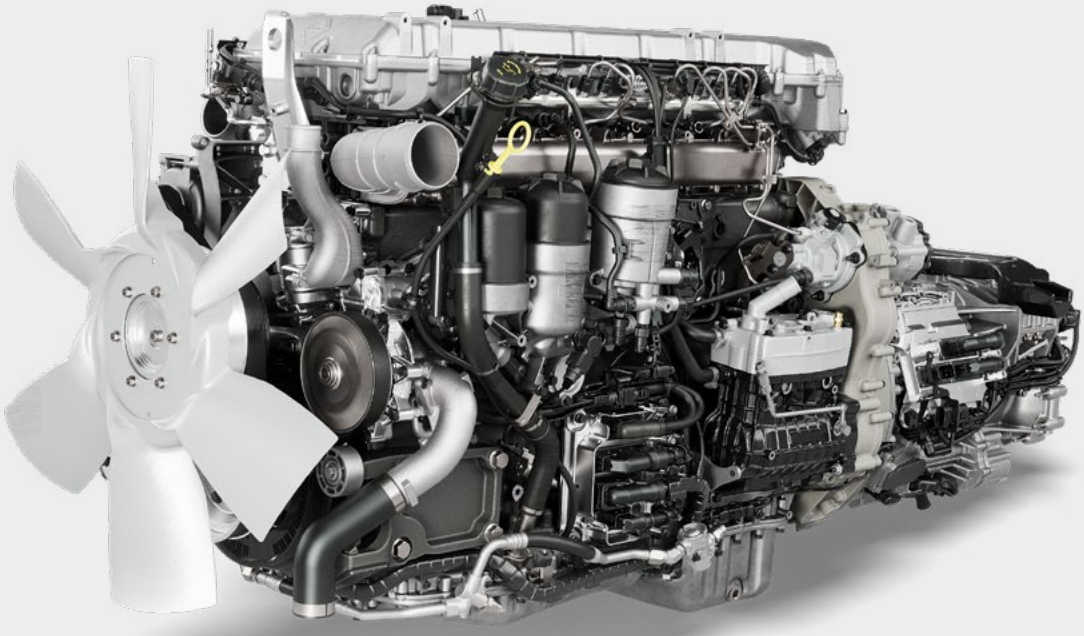
INTERNATIONAL



TOP REASONS TO BUY 2027 INTERNATIONAL® S13® INTEGRATED POWERTRAIN

The International® S13® Integrated Powertrain is our most advanced, fuel-efficient and streamlined powertrain, and for 2027, fully compliant with new EPA regulations. Available in the LT®, RH™, HX®, and HV™ series models. Capable of up to 515 hp and 1,850 lb-ft of torque, the S13 Integrated Powertrain consists of an engine, the T14® transmission and the aftertreatment system – all designed together to maximize integration between systems.

WHAT'S NEW

Variable valve timing (VVT)
Adapts valve timing to match real-time operating conditions for smooth performance and exceptional power across all engine speeds and loads.

Electrical architecture
24V alternator, starter, and engine controllers (12V cab and chassis) help enhance cold-crank performance and improve starter and battery life, with up to a 40% weight-savings in components.

Variable valve braking (VVB)
Works alongside VVT to deliver improved engine braking performance, with VVB braking at 470 hp.

EGR cross-over tube eliminated
EGR Cross-over tube and recirculation of exhaust gas removed, simplifying the system architecture. When combined with VVT, can lead to improved combustion efficiency, performance and reliability.

WHAT STAYS THE SAME

Lighest 13-Liter Engine
The S13 Integrated Powertrain is remarkably light in weight – in fact, it is the lightest 13-liter diesel engine in North America. This helps achieve an outstanding payload capacity, along with improved fuel economy — attributes that can make a real difference to your bottom line.

Smooth Shifts
The T14 Transmission features planetary gears to reduce weight and size, making room for chassis packaging and PTO. Powered by an advanced Electronic Clutch Actuator (ECA), it delivers rapid, ultra-smooth shifting without drawing from your air system. That means during complicated maneuvers—like backing a trailer into a tight loading dock—the driver never needs to stop and let the air recharge.

Factory-installed PTOs Available
Single- and dual-transmission PTOs as well as engine REPTO and FEPTO are available with a variety of common SAE adapters, installed directly at the factory. This can be a significant advantage when adding equipment, as it speeds up the installation process and standardizes components.

Fewer Active Regens
Eliminating the heavy EGR cooler greatly reduces soot or particulate matter at the source. The Dual Stage Aftertreatment System is engineered to use two DEF treatments to handle NOx—cutting cost, complexity, and weight while reducing active regens. Plus, sending nearly 100% of exhaust flow through a simple, fixed-geometry turbocharger maximizes overall engine efficiency and performance.

Industry-leading Warranty
Base Engine
- 24 months, unlimited miles, unlimited hours

Transmission
- 60 months, 750,000 miles (1,200,000 km)

Base Major Components
- 60 months, 500,000 miles (800,000 km)

Base Towing
- 24 months, unlimited miles, unlimited hours

S13 INTEGRATED

Explore the S13 Integrated Powertrain

The information and conclusions contained herein are believed to be correct at time of publication, but do not necessarily apply to similar vehicles with different specifications or with production dates after the production of this publication. Vehicles with different specifications or later dates of production may yield different results. Vehicle specifications are subject to change without notice. TAD26004 8/2026 ©2026 International Motors, LLC (d/b/a International Motors USA LLC in Illinois and Ohio). All rights reserved. All marks are trademarks of their respective owners.