

VOLVO XE13 FUEL EFFICIENCY PACKAGE

PROVEN FUEL EFFICIENCY FOR HIGHWAY APPLICATIONS



XE13 DELIVERS EXCEPTIONAL EFFICIENCY THROUGH DRIVETRAIN INTEGRATION.

This exceptional efficiency can only be achieved with the combination of Volvo Power and the Volvo I-Shift. In a well-integrated powertrain, all the elements—engine, transmission, axle ratio and tire size—are designed to work together to provide optimum power with maximum efficiency. That's the concept behind Volvo's award-winning XE technology. With drivetrain integration, each component always knows the demand placed on the other. Constant communication allows Volvo's I-Shift transmission to control the D13 engine, rather than the other way around.

DOWNSPEEDING: THE KEY TO SAVING FUEL.

"Downspeeding" is Volvo's term for lowering engine rpm at a given vehicle speed to save fuel. The Volvo XE13 powertrain package is designed to cruise comfortably in the engine's sweet spot, reducing engine friction and increasing fuel efficiency.

A 200 RPM REDUCTION MEANS 3% BETTER FUEL EFFICIENCY.

The XE13 package consistently operates in the sweet spot of 1050 to 1500 rpm, with the most efficient range typically between 1100 to 1200 rpm.

For every 100 rpm of downspeeding, Volvo's new XE13 package can improve fuel efficiency by approximately 1.5%. Since the Volvo XE13 package downspeeds the engine by 200 rpm or more, you'll realize a total fuel efficiency increase of 3% or greater. Savings are even more impressive for light loads or empty return loads.

BIG SAVINGS FOR YOUR BOTTOM LINE.

The Volvo XE13 package can save you as much as 0.2 MPG or higher. This can yield a savings of \$2,000 or more, per year, per truck.

DESIGNED FOR NORTH AMERICAN INTERSTATE HIGHWAYS.

The XE13 package is ideal for long-haul and regional-haul routes, bulk haulers, and a wide range of over-the-highway applications. Bulk haulers, fleets with lighter payloads and those who go out heavy and return empty will see the greatest improvement in fuel efficiency.

The package is optimized for speeds between 63 and 68 miles per hour but works well at all speeds. Whether mountain, city or any route in between, there are no highways where the XE package can't go.

RECOGNIZED BY THE TRUCKING INDUSTRY FOR TECHNICAL INNOVATION.



The XE13 powertrain package was named the North American trucking industry's most significant technical innovation. The 21st annual Technical Achievement Award was presented to Volvo Trucks by the Truck Writers of North America (TWNA).

XE13 REQUIREMENTS

Basic specs for the Volvo XE13 package:

- On-highway application
- Maximum GCW 80K
- Volvo D13 engine
 - 425 hp / 1750 lb-ft or
 - 455 hp / 1750 lb-ft
- Volvo I-Shift transmission
 - Automated 12-speed
 - 0.78:1 overdrive ratio
- 6x4, 6x2 or 4x2 with 2.64–2.67:1 axle ratio
- 22.5 low-profile tires with 512–521 rev/mile
- Includes new efficiency-optimized engine and transmission application software



VOLVO

Volvo Trucks

www.volvotrucks.com

Volvo Trucks North America
7900 National Service Road
Greensboro, NC 27409

Volvo Trucks Canada
2100 Derry Road West, Suite 410
Mississauga, Ontario L5N 0B3

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