



Volvo Trucks. Driving Progress

VOLVO VAH SERIES

MAXIMIZES FREIGHT AND EFFICIENCY





SEE THE DIFFERENCE EVERY DIFFERENCE MAKES.



Driver Productivity:
Space, features,
comfort.

See how the VAH series can help you keep drivers comfortable and productive.

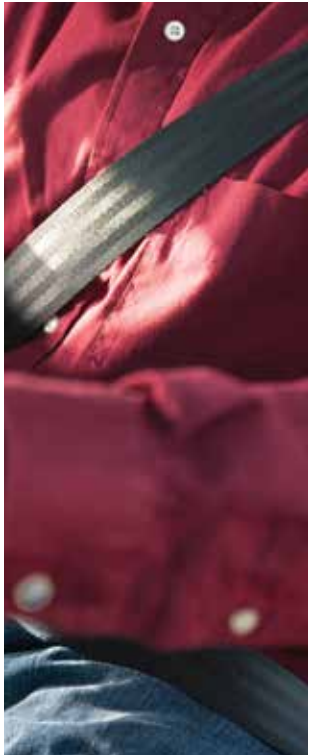
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Fuel Efficiency:
Maximize payload and performance, minimize operating cost.

Experience our new engines and advanced powertrain technology that delivers exceptional fuel savings. Explore the features of the refined VAH series that drive fuel efficiency.

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Safety:
Industry-leading protection.

Learn how Volvo's legendary commitment to safety helps protect your most valuable asset—your drivers.


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Uptime:
Know the road ahead.

Discover the power to know the road ahead with a suite of services that lets you keep wheels turning and money in your pocket.

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VAH 200
The ultimate
local daycab.

VAH 630
The premium
long-haul
sleeper.

VAH 430
The versatile
regional sleeper.

WHY VAH?

A smooth comfortable ride and superior noise suppression are just a few of the premium VAH features designed to enhance driver productivity. The VAH series employs a unique configuration that reduces overall height to provide the ultimate in loading flexibility. Deep-drop front axles, low-height Volvo Air Ride rear suspensions, and reduced-height cab options all contribute to lower overall height, offering the flexibility to position a car, pickup or minivan over the cab. Lowered roof heights are available through Fontaine Modification Company. A clean top-of-frame behind the cab expedites body mounting and eases trailer hookup.

Which VAH is right for your business?



Living well on the long haul.

When long-haul distances and short deadlines require spending several nights on the road, auto haulers need a premium sleeper cab. If the open road is your home, the VAH 630 makes life more comfortable, productive, and safe with a 61-inch sleeper that delivers plenty of space for rest, meals, and paperwork. The spacious sleeper offers room for a 36-inch wide bed, plenty of storage in cabinets fitted with securely closing doors, as well as space for amenities such as a refrigerator.

Regional ready and urban friendly.

If your auto transport business stretches from multi-stop local delivery routes to full loads hauled region-wide, you need an all-position player. Full and partial modifications are available that can reduce roof height to 97.5 inches. The VAH 430 maintains maneuverability, but adds a 42-inch sleeper for a comfortable rest when you're on the road overnight. This multi-role performer delivers maximum payload, urban agility, and a good night's rest.

Learn more: USA: VAH.volvotrucks.us | CAN: VAH.volvotrucks.ca

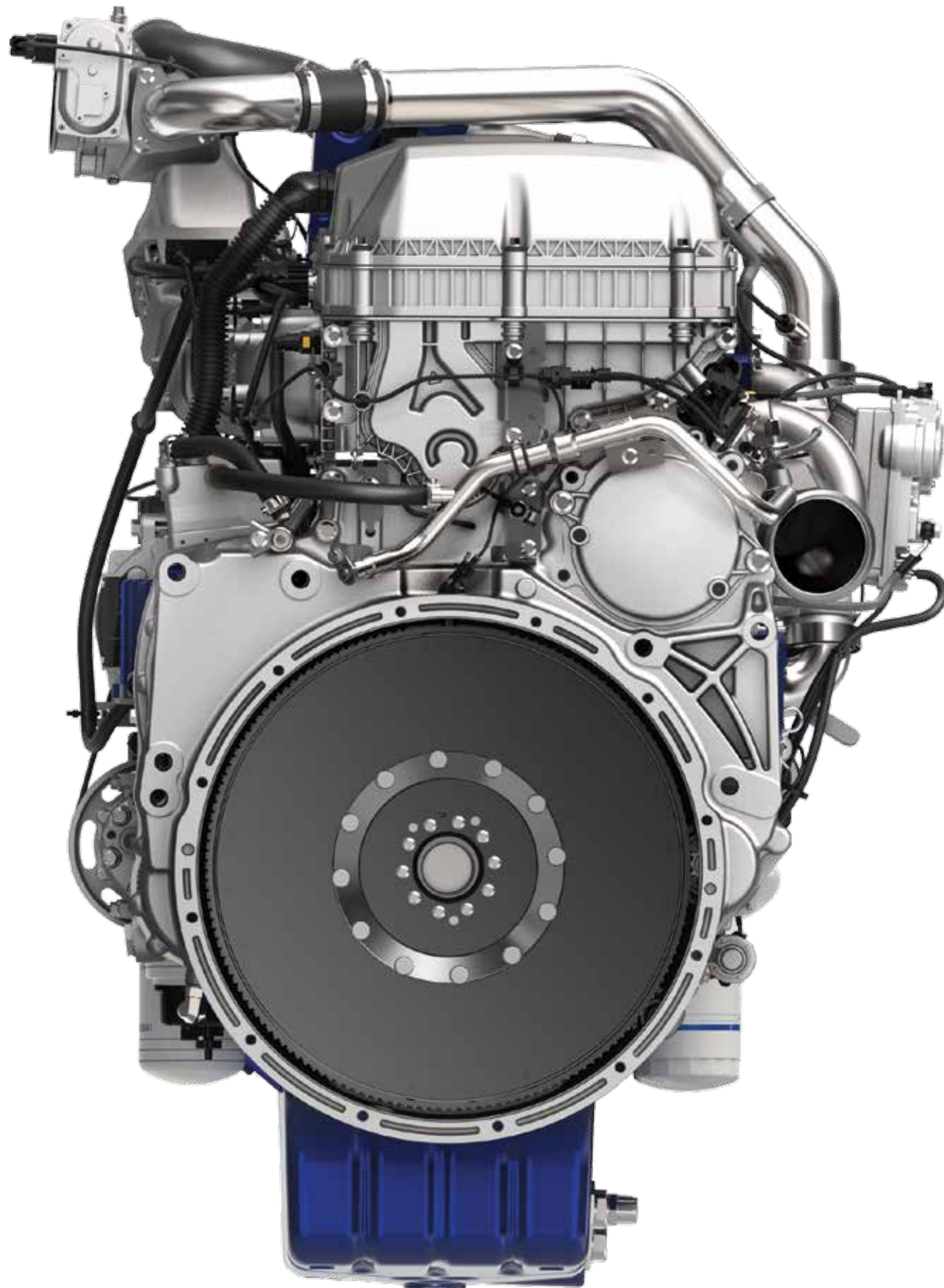




Local agility for volume delivery.

Designed for nimble handling and optimized for maximum payload, the VAH 200 daycab is the answer for auto-hauling routes that are short on miles, but long on volume. The short BBC daycab configuration will make your drivers happy with a tighter turning radius, and keep your bottom line healthy by carrying up to 11 vehicles per load. Partial (102.5 inches) and full (97.5 inches) roof modifications are available in daycab models.

Maximum payload, optimized efficiency, and premium features are all standard fare for this local productivity specialist.



Efficiency runs in the family.

Volvo's new 2017 family of engines is built on a foundation of proven, developed architecture that leverages innovative hardware to maximize efficiency. Energy that is normally lost is recovered with standard features including lower friction pistons that optimize cylinder efficiency. A standard common-rail fuel injection system now gets the most power out of every drop of fuel. Our reliable variable geometry turbocharger compresses and moves the intake air while providing the correct back pressure to drive the EGR process. And reliability isn't sacrificed for greater efficiency. All Volvo D11 and D13 engines carry a B50 life of 1.2 million miles.



Volvo D11
325-425 hp,
1250-1550 lb-ft.

The Volvo D11 is a fuel efficient, lightweight engine designed to improve reliability and minimize cost of operation. The D11 delivers performance competitive with larger engines, beginning at 325 hp and up to an impressive 425 hp* at 1,550 lb-ft torque. Four straight torque ratings, one dual-torque, and one Eco-Torque rating are available. It's also a lighter solution for maximizing payload in auto hauling applications.

*Beginning early 2017, seven power ratings will be available including a new 425 hp offering.



Volvo D13
375-500 hp,
1450-1850 lb-ft.

The Volvo D13's efficiency, power, and light weight improves operating costs, while meeting the new 2017 GHG emissions standards. Twelve power ratings are available, from 375 to 500 hp.

Five straight torque and six Eco-Torque Performance ratings are available. Three dual-torque ratings are also offered, providing "dual-personality" torque output for customers who desire the fuel efficiency of lower torque with the strong performance of higher torque.

An automated manual transmission with digital intelligence.

Volvo has made the industry's most advanced automatic transmission even better. The latest edition of the I-Shift includes upgraded hardware and software, greater durability, and a new countershaft brake for improved performance and smoother shifting. The electronic control unit can handle any load and any road, shifting perfectly every time. We've also improved clutch durability and torsional dampening in our D13 model. So I-Shift not only keeps fuel costs down, it can help slow driveline wear, reduce noise and vibration, extend transmission life, and lower maintenance costs.

Whether your route includes rolling hills or steep mountain terrain, Volvo's I-See option employs self-learning knowledge of road topography to work with I-Shift, optimizing the truck's speed and gear-shifting.



Makes every driver more fuel-efficient.

Our newest I-Shift makes drivers more productive, using intelligent electronics to continuously monitor grade, speed, weight, and engine load, shifting when necessary or holding a gear—whichever saves more fuel. So regardless of experience or training, I-Shift helps every driver.



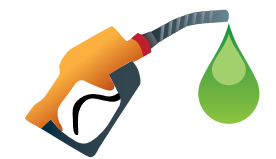
Brains, brawn, and value.

With a D11 or D13 engine Volvo's torque rating for I-Shift goes up to 1,900 lb-ft, so it's compatible with any Volvo engine you choose for the VAH. I-Shift can also increase your truck's resale value. If your Volvo truck was purchased with a lower engine power rating, a simple software flash can uprate it to the highest power rating for its displacement—without having to replace the transmission.



Eases your mind and your left foot.

When you drive an I-Shift, you'll never want to deal with a clutch pedal again. I-Shift lets you concentrate on the task at hand—delivering freight—not on what gear you're in. It's easy to use and always ready with the right gear, so missed shifts and sore knees are a thing of the past. With I-Shift, just sit back, get comfortable, and concentrate on your driving.



Design changes save fuel and time.

I-Shift's redesigned transmission cooler optimizes fluid temperature in cold and warm climates, improving fuel efficiency. Connections throughout the transmission are also upgraded for faster maintenance during service stops.

DRIVER PRODUCTIVITY



Designed with the driver in mind.

A comfortable driver is a productive driver. So the VAH series starts with a solid chassis, smooth-riding air suspension, and precise, automotive-like handling. The well-insulated cab provides a quiet sanctuary, offering great visibility, and a wraparound dashboard designed to keep all controls within reach.

Comfort comes standard.



Like riding on air.

Volvo cab air suspensions and outboard mounted air springs, shocks, and stabilizing rod help the VAH series give drivers a smoother ride.



A quiet place to work.

A thick layer of insulation combined with some of the quietest running engines in the industry keeps the cab comfortable and quiet.



Everything important, all in one place.

With the centrally located instrument cluster with Driver Information Display (DID), a quick look is all it takes. Analog gauges like fuel, speed, and rpm complement the digital DID's optional Performance Bonus Display.



Easy in and out.

Doors are 3+ feet wide and open a full 70 degrees for ease of access. Ergonomically placed grab handles provide the safest and most secure way in and way out of the cab.



Connect and enjoy.

Expandable audio systems let you connect mobile devices through Bluetooth, USB, and AUX.

Customize your ride.

VAH interiors are some of the industry's best places to work—comfortable and well designed, yet tough enough to handle the most demanding applications.

Each of the three interior trim levels offer many color and material combinations to choose from. And all three trim levels can be enhanced further with premium Wheat Mordura, Dark Brown Cordura, and your choice of leather seating options in Espresso Brown or Sahara Tan.



Choice

The standard trim level, Choice offers a light interior color, with lighter Lennox Ivory or darker Espresso Brown seats.



Rally

An upgraded trim level, Rally offers dark or light interior colors, with durable Rally fabric seats.



Touring

The premium trim level, Touring offers Dark Zebrano accents, and the dark Touring fabric on the seats.

A home away from home.

The VAH 430 sleeper maximizes space, with a 36-inch wide bed in an efficient, 42-inch sleeper, it's a cozy spot to rest after a long day. The 61-inch sleeper in the VAH 630 offers a 42-inch wide bed, providing the perfect place to eat, rest, or catch up on paperwork.



Don't get up.

Adjust heating, cooling, and the audio system from the sleeper control panel. Need to be noticed? Just press the "panic" button to call attention to your vehicle.



Snacks and refreshments.

The VAH 630 sleeper features spacious and well-organized cabinets that can be configured to hold your refrigerator, so a cold drink or snack is available any time.

FUEL EFFICIENCY



Innovation with purpose— to save you money.

At Volvo, fuel efficiency is a vital part of our commitment to your business and ultimately, to the planet we all share. That's why we're constantly challenging ourselves to find new and improved ways to make Volvo trucks the most fuel-efficient trucks on the road. Fuel efficiency is more than a single feature, it's a combination of customized solutions working together in perfect harmony. The result is fuel efficiency custom-built to cut your operating costs.

Advanced technology lowers operating costs.

Volvo engines offer an impressive mix of power, efficiency, and value. All our 2017 engines are optimized to help you save on fuel.



Driving near-zero emissions.

Volvo's Selective Catalytic Reduction (SCR) system is a superior solution to the EPA's emissions standards, not to mention a fuel- and cost-saving innovation for your fleet.

Here's how it works: high-NOx/particulate exhaust flows from the engine to Volvo's diesel particulate filter (DPF), where much of the exhaust's particulate is removed. Next, before the exhaust reaches the catalytic converter, diesel exhaust fluid (DEF) is mixed in. The DEF and catalytic converter change the harmful nitrogen oxides into harmless nitrogen and water vapor, and the truck's NOx emissions register at near-zero levels. DEF allows the engine to use less exhaust gas recirculation (EGR), and maintain higher oxygen levels for better combustion.



Leading through innovation.



At Volvo, fuel efficiency is the sum of many parts, not simply a specification to be met at the cost of performance or durability. Innovation is pursued at every opportunity. From the design on the drawing board, to the exhaust stack on the finished truck, we find solutions for improving performance, reducing friction losses, and cutting weight—all contributing to increased payload and improved fuel efficiency.



One-box aftertreatment.

Volvo's "one-box" exhaust aftertreatment system offers smaller system packaging and reduces weight by 17 pounds compared to current systems. The one-box configuration provides better thermal encasing of exhaust energy, and improves muffler efficiency. The use of Cu-Z (copper zeolite) catalyst coatings improves both low-temperature NOx conversion, and long-term system robustness.



Common-rail fuel injection.

The unique design of Volvo's common-rail fuel system delivers multiple benefits. Finer control allows quicker, more accurate fuel injection for improved fuel efficiency; while a clean installation improves reliability and dramatically reduces engine noise.



Lower friction, wave piston design.

Improvements in surface finishing of the piston skirt area significantly reduce parasitic losses due to friction between the piston and the cylinder bore, benefitting both power output and fuel efficiency. A new wave design on the face of the piston increases cylinder efficiency by optimizing flame propagation toward the center of the cylinder for an ultra-clean burn.



Powerful and precise engine braking.

The intelligent Volvo Engine Brake (VEB) is an enhanced engine braking system that gives drivers precise control over engine braking, and saves the truck's brakes for when they're needed most. The D11 and D13 engines use a Variable Geometry Turbocharger (VGT), which, thanks to intelligent software, "supercharges" the VEB system. The result is phenomenal retarding horsepower at low rpm, where the engine spends most of its time and where braking is needed most.



SAFETY

Volvo is safety.

Since 1927, our brand has used safety as the guiding principle for everything we build. We were the first company to introduce 3-point safety belts as a standard feature, and to this day are the only company to provide driver-side airbags standard in every truck we make.

Volvo's commitment to safety protects your business by putting the well-being of drivers—your most valuable asset—first. Intelligent design that maximizes comfort and visibility combined with advanced safety technology helps drivers avoid or minimize accidents, keeping them safe while reducing cargo loss, downtime, and accident-related insurance costs.

Keeping you out of danger.



Volvo Enhanced Stability Technology (VEST).

Losing control, jackknifing, and rolling over are three of the most dangerous incidents a driver can face. Standard on all VAH tractors, Volvo Enhanced Stability Technology, or VEST, continually monitors driver inputs and normal driving parameters. When VEST detects that the truck is dangerously close to an event such as a rollover, the system automatically reduces engine torque and selectively applies the necessary braking to help get the truck back on course.



Industry-leading. Just in case.

To make sure that our trucks are the safest on the road, we combine advanced engineering with active and passive safety systems. Volvo is the only Class 8 manufacturer to make a driver's side airbag standard equipment in every truck. To further protect occupants, the engine and transmission drop down and away from the driver. It's exactly what you'd expect from the inventors of the 3-point safety belt.



Secure access.

At Volvo, driver safety begins even before the engine starts. Self-cleaning steps ensure secure footing during cab ingress and egress, while ergonomic grab-handles provide a solid grip, even when wearing gloves.



I-Shift.

I-Shift takes away the physical and mental demands of changing gears, which reduces driver fatigue and provides more time for the driver to give full attention to surrounding traffic.



UPTIME

Ready for whatever lies ahead.

You know better than anyone that every second of uptime equates to increased revenue, productivity, and opportunities. That's why you need a transport solutions partner that offers innovative ideas to keep trucks on the road and money in your pocket.

Volvo Trucks Uptime Services is a unique suite of products and services designed to give you unprecedented control over fleet operations. Maximize uptime, increase maintenance efficiency, and protect your trucks with protection plans customized to your needs. Nothing can slow your business down when you know the road ahead.

Remote diagnostics.



Remote Diagnostics can help avoid unexpected downtime by monitoring your Volvo engine, I-Shift, and aftertreatment 24/7. Standard in every Volvo powered truck, Remote Diagnostics offers a range of unique benefits; including enhanced proactive diagnostics, detailed analysis of critical fault codes for repair planning, immediate communication if actions are required, and streamlined service procedures. It's a powerful service that reduces average diagnostic times by 70% and average repair times by 22%.

With a dedicated team of professionals available around the clock at Volvo's world-class Uptime Center in Greensboro, NC, Volvo goes beyond diagnostic technology to deliver actionable solutions.



The Volvo Uptime Center.

Real people. Real solutions. Real fast. The Volvo Uptime Center offers around-the-clock assistance anywhere in Canada and the United States. Within minutes, your driver is connected to a member of Volvo Action Service, a team of highly trained uptime experts who can quickly manage service, schedule repairs, or tackle any other issue that happens on the road.



ASIST service management platform.

Everything you need, all in one place. ASIST is a simple, web-based tool that lets you monitor vehicle status, receive electronic estimates, approve repairs, issue purchase orders, and communicate directly with your dealer—regardless of your truck's location.



Premium Maintenance Plan.

For best results, plan ahead. Preventative maintenance plans improve vehicle uptime, increase productivity, and provide a peace of mind by making sure all required maintenance is done efficiently and done right. Choose from a full menu of services and get access to Genuine Volvo Parts, warranty adjustments, service programs, and performance updates at pre-planned maintenance intervals.

No matter where, we're there to support your business.

Our world-class dealer network means your trucks are never far from the quality care and maintenance you expect when you buy a Volvo truck. With more than 360 dealers and thousands of service locations across North America, Volvo's Uptime Services help you through every step of a service event, and make sure your trucks stay where they belong—on the road.

Repairs are done fast and accurately by highly trained Volvo specialists. Our parts expediting team locates the parts you need quickly—making sure they are there when you need them.

Your time means money, that's why Volvo Trucks Uptime Services saves you both.



Volvo Protection Plans.

The road can be unpredictable. Always know you're covered. Take the worry and stress out of unforeseen repairs and effectively manage costs over the life of your truck with an extended warranty through a Volvo Protection Plan. We offer a variety of plans covering the engine or chassis that can be customized to your needs—you choose the length and extent of coverage that best suits your specific application.



OVERVIEW



	VAH 200	VAH 430	VAH 630
Cabs/ Sleepers	Daycab*/ Mid-Length Hood	42" Flat-Roof Sleeper*/ Mid-Length Hood	61" Mid-Roof Sleeper*/ Mid-Length Hood*
Applications	Local Haul/ Short Haul	Short Haul/ Regional Haul	Regional Haul/ Long Haul
Engines	Volvo D11 325-425 hp 1250-1550 lb-ft torque	Volvo D11 325-425 hp 1250-1550 lb-ft torque	Volvo D11 325-425 hp 1250-1550 lb-ft torque
	Volvo D13 375-500 hp 1450-1850 lb-ft torque	Volvo D13 375-500 hp 1450-1850 lb-ft torque	Volvo D13 375-500 hp 1450-1850 lb-ft torque
Transmissions	Standard: I-Shift 12 speed	Standard: I-Shift 12 speed	Standard: I-Shift 12 speed
	Optional: Eaton Fuller 10 speed	Optional: Eaton Fuller 10 speed	Optional: Eaton Fuller 10 speed

*Available with full- or partial-roof modification through Fontaine.





VOLVO

Volvo Trucks

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Some vehicles shown with optional equipment.

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