

# VN 780

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## VN 780 SPECIFICATIONS, OPTIONS AND ENGINES.

<b>BBC</b>	189"
<b>Front Axle Position</b>	52"
<b>Cab Version</b>	77" Sleeper, High Roof
<b>Engine Package</b>	Volvo VED12 365-465 hp Cummins ISX 385-565 hp
<b>Transmission</b>	Eaton FRO, RTO, RT 9, 10, 13, 15, 18 Speeds Eaton Autoshift® 10 and 18 Speeds Meritor Freedomline® 12 and 16 Speeds
<b>Front Axle Package</b>	12,000 – 14,600 Spring or Air Suspension
<b>Rear Axle Package</b>	21,000 – 23,000 Eaton/Meritor Single Axle 40,000 Eaton/Meritor Tandem Axle 46,000 Eaton/Meritor Tandem Axle
<b>Rear Suspension Package</b>	23,000 Air and Spring 38,000 – 40,000 Volvo Air Suspension 38,000 – 40,000 Volvo T-Ride Spring 46,000 Volvo T-Ride Spring
<b>Frame Rail Package</b>	7 Sizes, RBM 1,382,000 – 2,448,000
<b>Interior Trim Package</b>	2 Levels with multiple color selection

**GOODYEAR** Volvo Trucks is proud to offer Goodyear tires as our standard tire.

**MORE POWER AT A LOWER OPERATING COST.  
THAT'S THE BEAUTY OF THE VOLVO ENGINE.**

Volvo knows a thing or two about engines. After all, we're one of the world's largest heavy-duty diesel engine manufacturers. That's why the Volvo engine is uniquely designed to meet your needs for more power and lower operating costs. It exceeds today's strict emissions requirements, but doesn't weigh significantly more than previous engines.

In fact, its simple design means it's more economical, more reliable and easier to maintain than other EPA-certified engines. We've also developed an integrated offering with Cummins, which gives you the option of specifying the latest Cummins ISX engine. Volvo or Cummins, our selection of engines is just another way we're helping you rev up your bottom line.

**VOLVO**

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**IT'S YOUR TYPICAL HOME OFFICE,  
BUT THE VIEW KEEPS CHANGING.**

## VN 780 AT A GLANCE:

### Overview

- 77" Raised-Roof Sleeper Cab
- Expansive, Space-Efficient Interior
- Luxury Features and Appointments
- Engineered for Performance and Safety

### Aerodynamic Design

- Better Fuel Economy
- Sloped Hood and Windshield
- Welded Cab, No Rivets
- Reduced Gap Between Cab and Trailer

### Ride and Noise

- Smooth, Comfortable Ride
- Exceptionally Quiet Cab
- Cab Air Suspension System
- Multi-Directional Shock Absorbers
- Ergonomic Seats

### Driving Environment

- Tilt/Telescopic Steering Wheel
- Advanced Climate Control System
- Double-Sealed Doors for Tight Fit
- Ergonomic Dash Reduces Fatigue
- Advanced Audio System

### Sleeper Amenities

- 374 Cubic Feet of Sleeper Space
- Sink/Kitchen Appliance Options
- Dining Table Converts to Bunk
- Roof Window and Two Side Windows
- Windshield and Sleeper Curtains
- Carpeted Sleeper Area
- Workstation Option Available

### Maneuverability

- Extra Tight Turning Radius
- 50-Degree Wheel Cut
- Highly Responsive Steering

### Durability and Service

- Easily Replaceable Windshield
- Break-Away Mirror Arm
- Three-Piece Bumper
- Hood Opens Full 60 Degrees
- Adjustable Internal Door Hinges
- Hood Release on Steering Column
- Easily Removable Engine Cover

### Accident Prevention

- Self-Cleaning, Anti-Slip Steps
- Interior Grab Handles
- ABS System Standard
- Extra Large, One-Piece Windshield
- Overlapping Sun Visors
- Projection Headlights
- Daytime Running Lights

### Driver Protection

- High-Strength Steel Cab
- Standard Driver Side Air Bag
- Three-Point Seat Belt
- Collapsing Steering Column
- Break-Away Engine Mounts

## LOWER COSTS AND A HIGHER STANDARD OF LIVING. ALL IN ONE TALENTED TRUCK.

The VN 780 is an aerodynamic over-achiever that will forever change your impression of how trucks look, ride and handle. And it's everything you'd expect from the flagship model of the Volvo VN line.



From its inception, the VN 780 has had a dual agenda. One is to champion the comfort and safety of the driver. The other is to deliver a level of engineering that takes performance and aerodynamic efficiency to new heights. And it succeeds brilliantly on both counts. Plus you'll find luxury features everywhere, from the driver-friendly dash to the ergonomic seats to the feels-like-home design of the sleeper area.

Step into the cab and certain words come to mind. Vast. Expansive. Huge. The raised roof (you may prefer to call it a cathedral ceiling) is tall enough for a person 6'10" to stand upright and still put on a hat. The 77" sleeper cab offers a degree of space efficiency that's nothing short of remarkable. And the smooth, quiet ride goes a long way toward reducing stress and keeping you comfortable, mile after highway mile.

But behind the VN 780's sleek curves and spacious interior is a truck that truly means business. Not only will its nimble handling get you from loading dock to loading dock with ease, it'll do so with fewer fuel and maintenance stops along the way. Which brings us to another luxury feature: With the VN 780, you'll save money.

### NOTE TO THE WIND: RESISTANCE IS FUTILE.

We'll admit that the sleek, aerodynamic shape of the VN 780 is easy on the eye. But the real beauty of the design is how dramatically it reduces wind resistance. Everything – from the sloping hood and windshield to the aerodynamic bumper, recessed door handles and wedge-shaped headlights – has been sculpted and streamlined for the lowest possible drag coefficient. The welded cab assures that there are no rivets to catch the wind and slow you down. And the Volvo design allows for a shorter wheelbase, so the gap between cab and trailer can be minimized for less air turbulence. As a result, the VN 780 requires less engine power to push through the air. Which means fewer stops at the pumps.

### HIGH RESIDUAL VALUE. PROOF THAT TIME IS ON YOUR SIDE.

Now that you're thinking of buying a Volvo, it's also a good time to think about selling it. Sure, that day is years away, but it's important to know that your residual value will be high when you're ready to trade.

Statistics show that Volvo trucks have the fastest growing residual value of any truck brand on the road. Everything we do to build a better truck

today – stronger cab, longer life, lower operational costs, exceptional ride, generous warranty – contributes to higher value at resale. Even after years of vigorous use.

Simply stated, a Volvo truck is an investment that pays off now in cost-saving performance, and pays you back later in valuable equity. Which makes a good business decision even better.



## MILEAGE SHOULD SHOW UP ON YOUR ODOMETER, NOT ON YOU.

Had enough of road trips that make your teeth rattle? Then climb into a VN 780. You'll enjoy a ride that's smoother, quieter and more peaceful than any truck you've ever driven. But don't worry. You'll get used to it.



That asphalt under your wheels is essential to your livelihood. But that doesn't mean you have to feel every bump, rock and pothole. The VN 780's multi-directional cab air suspension system does a superb job of assuring a smooth, civilized ride. Each air bag is mounted outside the frame rails for maximum stability. And since a cab moves from side to side as well as up and down, Volvo uses both vertical and lateral heavy-duty shock absorbers to minimize lateral rocking.

The VN 780's critical construction tolerances and welded cab help keep vibrations to an absolute minimum. And thanks to superior insulation and soundproofing, the cab is so quiet you'll actually be able to hear yourself think. You won't feel the road through the energy-absorbing steering column, either. The steering wheel tilts smoothly from 0° to 32° and telescopes a full 4.5", so you can position it wherever it's best for you. And you'll have your choice of multiple seating options for customized comfort and support.

### A CAB DEDICATED TO KEEPING YOU COMFORTABLE.

In the driver's area, an advanced climate control system keeps you comfortable regardless of the weather outside. Twenty-two strategically placed air vents – plus cold draft panels and airflow valves – circulate fresh air through the cab. Double sealed doors keep out water, wind and noise. And an independent air filtration system keeps the cab and sleeper area free of dust particles and other airborne aggravations.

Even the dash is designed to keep you operating at peak performance. Controls are within easy reach, and often-used switches can be located right on the steering wheel. The driver display is positioned to let you quickly read key diagnostic information from a single, large screen.

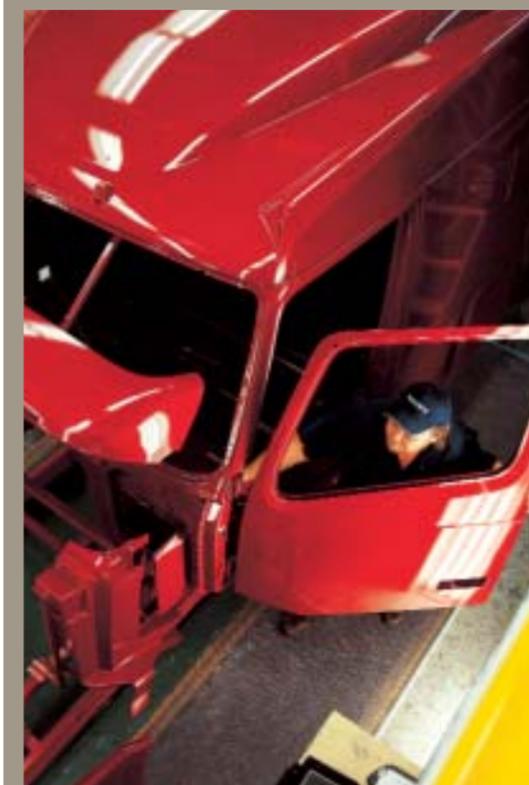
You'll appreciate the quiet cab when you crank up the stereo, too. The VN 780 features an advanced audio system with speakers designed and positioned for optimum sound quality. You'll hear every note of your favorite tunes, every word from your favorite talk radio stations.

### AN ONGOING COMMITMENT TO QUALITY.

Everybody talks about quality, but where does it come from? At Volvo, it starts at the concept stage, with a commitment to building a truck that delivers the best combination of safety, durability and comfort.

Our designers use the industry's most advanced technology to design each model from the ground up, using only the best materials and Volvo-specified components. Our state-of-the-art production facilities use precise assembly techniques that achieve tighter tolerances and better performance. And each High-Strength Steel cab is welded together rather than riveted, for maximum rigidity and greater protection.

Volvo is an industry leader in performance testing, and conducts more crash testing than any other manufacturer. The result is a Volvo truck that delivers superior durability, lasting value and plenty of peace of mind.



## WITH A SLEEPER THIS BIG, CABIN FEVER IS A THING OF THE PAST.

Bedroom. Office. Kitchen. Dining Room. Den. With the VN 780, you get the functional equivalent of all these rooms combined. It's the most accommodating sleeper on the road, with generous storage, lots of living space and all the comforts of home.



### RELIABILITY THAT PROTECTS YOUR PROFITABILITY.

Volvo trucks are built for the road, not for sitting in the shop. Since your business depends on high miles and low downtime, we've engineered a level of dependability into the VN 780 that other manufacturers would be hard-pressed to match. By using only the best available materials, parts and assembly techniques, we've created a truck that maximizes uptime. And by optimizing the ride, handling and visibility, the VN 780 works hard to keep you more alert, more comfortable and more reliable as a driver.

Trucking is serious business, and the VN 780 is a business tool you can trust. Volvo's commitment to reliability, performance and safety rides with you mile after mile to protect your income as well as your delivery schedules. With Volvo, you'll have more uptime. Not only that, you'll have a better time, period.

In the VN 780, two's company and never a crowd. Because with 374 cubic feet of sleeper space (over 520 cubic feet when you include the cab), there's plenty of room for everyone. The high ceiling eliminates any sense of being closed-in, while a combination of roof and side windows keeps the cabin feeling light and airy.

But the sleeper area is more than just roomy. It's also the model of space efficiency. The workstation does double duty as your dining table and office desk. After supper, the bench seats quickly convert to a full-size lower bunk. The upper bunk folds out from the back of the cab, and a foldaway ladder allows easy access. The stacking cabinets can be custom-configured to suit your storage needs. And you can add a full complement of appliances, from microwave, refrigerator and TV/VCR to a built-in sink with running water.

To a trucker, few things are more important than a good night's sleep. So when it's time for lights out, there's both a sleeper curtain and a wraparound windshield curtain to assure undisturbed relaxation. Each bunk has a well-placed reading lamp. Control panels are located in the sleeper area as well as on the dash for handy lighting and temperature control. Upper and lower windows open to provide cross ventilation. And the entire sleeper area is carpeted for an extra touch of home-style comfort.



## THIS IS ONE TRUCK THAT KNOWS HOW TO KEEP YOU OUT OF TROUBLE.

Maneuverability and safety are key attributes of the VN 780. Superior handling gives you more responsiveness and control. Enhanced safety features mean greater protection for you and your truck. Together they add up to something you can't put a price on: Peace of mind.

### OUR INNOVATIVE SAFETY FEATURES ARE STANDARD EQUIPMENT.

You'll enter the VN 780's cab via self-cleaning, anti-slip steps that are slightly offset so you can see them better. A door panel entry light helps you watch your step at night. We've made the door extra wide for easy access, with two grab handles conveniently mounted inside the cab and out of the rain for a better grip.

To help prevent accidents, our standard-equipped ABS system provides greater control during emergency braking. And suspended foot pedals keep your feet from getting tangled between the brake, clutch or accelerator.

Visibility is a particular Volvo passion, because the more you can see, the more obstacles you can anticipate and avoid. Our panoramic, one-piece windshield gives you over 2,000 square inches of viewing area, which means you not only see more of the road, you see more of your truck. Volvo's distinctive sloped hood and sloping side windows help you stay aware of close-range hazards. And looking down the road, our powerful projection headlights boost nighttime visibility 20 percent on low beam and give you better right-shoulder visibility... all without blinding oncoming traffic.



Whether you're pulling a van trailer, flatbed or reefer, the VN 780 lets you make every move with ease and precision. That's especially true in tight spots like loading docks, where both space and time are in short supply. Our 50-degree wheel cut and set-back axle deliver a turning radius that's one of the tightest in the industry. And with Volvo's responsive steering, you'll be able to maneuver safely and confidently in any terminal or traffic situation.

### EXTENSIVE PROTECTION FOR DRIVERS AND OTHER VALUABLES.

Our top priority is to protect you, your truck and your payload. We do it by engineering each VN 780 for superior accident survival. We start with a High-Strength Steel cab, for the highest strength-to-weight ratio in the industry. Volvo cabs meet the requirements of the Swedish Impact Test – the toughest cab integrity test in the world.

In a collision, a remarkable system of defensive measures takes over. The three-point seat belt holds fast and the standard driver-side air bag deploys. Upon frontal impact the engine mounts are designed to release, pushing the engine and transmission down under the chassis rather than into the cab. The steering column collapses, and special knee panels absorb impact. Doors have been tested to stay closed during a collision, but can still be opened afterwards. And the windshield can be kicked out for emergency exit.

As you can see, we're committed to being the best in over-the-road truck safety. And the only way to reach that goal is by preparing for the worst.

**THE VN 780 FEELS THE SAME WAY YOU DO ABOUT REPAIRS AND MAINTENANCE.  
IN OTHER WORDS, ONLY WHEN ABSOLUTELY NECESSARY.**

With freight to deliver and deadlines to meet, the last thing you need is to spend unnecessary time and money on repairs. The solution? A Volvo VN 780. That way you've got components that are as failure-proof as possible, and easy to replace if damage does occur.



It's simple, really. By eliminating things that can go wrong, you save money on parts and repairs. That's why we've made the VN 780 harder to break and easier to fix.

The VN 780's windshield is roped in, so there's no overnight wait for glue to dry if repairs are needed. Breakaway mirror arms lower the risk of impact damage. Rubber isolators allow the hood to flex independent of the cab, resulting in less stress. A rugged, three-piece bumper allows easy end cap replacement. The engine is designed to let you replace the V-belt without removing the fan or fan hub. And adjustable internal door hinges are positioned out of the weather so they'll last longer.

**WE DIDN'T ELIMINATE THE NEED FOR SERVICE CHECKS. WE JUST MADE THEM FASTER AND EASIER.**

All daily service checks on your VN 780 can be performed easily from the ground. The hood release is mounted on the steering column, which makes it easy to reach without having to climb up into the cab. The hood opens a full 60 degrees for complete engine access. Fill sites are on the "cool" side of the engine. A three-piece splash shield system keeps the entire engine compartment cleaner, for longer component life. Inside the cab, the engine cover can be removed without taking out the seats or floor mats.

The VN 780 is designed to save time on weekly service checks, too. Chassis fairings open outward for quick access to the batteries and air tanks, and can be removed completely in seconds. The batteries are positioned close to the starter for higher cranking voltage and longer component life. And headlight bulbs are adjustable and are easy to replace without tools.

Service checks will always be part of the job. But by making them faster and easier to perform, you're likely to do them more often. Which saves money in the long run.



**EVERY VN 780 COMES EQUIPPED WITH A COMPLETE SERVICE AND SUPPORT PACKAGE.**

Buy a truck, get an entire truck company. That's a great deal, especially when you consider all that Volvo does for you, on the road and off. Through **Volvo Action Service** we're with you mile after mile, 24/7, ready to provide roadside assistance and more whenever you call our toll free number. **Volvo LINK** helps you stay in touch and on schedule by putting you in two-way satellite communication with your nearest terminal. Our **Volvo Dealer Network** gives you access to more than 500 service and parts locations across the country. And when you're ready to invest in your new VN 780, ask your Volvo dealer about finance options from **Volvo Commercial Finance** – your best choice for flexible lease, purchase and insurance packages. Bottom line? We're a company that cares about your business and wants to maximize your success. Our range of support programs proves it.