

THE FIVE CONTRIBUTING FACTORS THAT MAXIMIZE RCO.



Freightliner Trucks works closely with truck equipment manufacturers (TEMs) across a variety of segments to create vehicles with numerous segment-specific options and clear back-of-cab packaging that TEMs can efficiently upfit, reducing time and costs.



Our robust support footprint features a 24/7 toll-free hotline and hundreds of service locations with factory-certified technicians—including over 400 dealership locations and more than 260 Elite Support Certified dealers. With Detroit™ Connect Virtual Technician™ diagnostic services*, you know within minutes when vehicles experience engine fault events, the severity, and when, where, and how to best fix the issue.

*Only available on trucks equipped with Detroit™ engines.



We understand the importance of operator visibility, entry and egress. Comfort in the truck during a long work day can help reduce fatigue and improve safety. Freightliner's vocational trucks offer numerous available safety features and ergonomically designed, well-insulated cabs to help keep drivers safe and productive.



Freightliner trucks are designed to maximize reliability and longevity. We rigorously test our products to ensure each model meets or exceeds customer business needs. Quality construction and durable materials help Freightliner trucks stay on the job and drive business results.



Productivity starts with efficiency and dependability that maximize uptime. A truck has to be in-service and getting the job done. We're focused on designing and testing medium and severe duty trucks for real-world conditions.



- Corrugated floor, roof, and back-of-cab panels for added strength
- Meets Swedish A-pillar test standards and SAE J2422 roof strength requirements
- Available in day cab, extended cab or 4-door crew cab configurations
- 2500 sq. in. one-piece windshield for outstanding job site visibility
- Wide door openings with low step-in height for safe entry and exit
- Steel firewall for solid mounting of dash panel and driver controls



Components, systems, and entire vehicles are subjected to an array of virtual and physical tests to ensure our trucks deliver the expected function, performance, and reliability.

WHERE TOUGHNESS MEETS EFFICIENCY.

We've applied sophisticated engineering to the structural elements of our work trucks. First, our cabs are light-weight, yet extremely tough. Corrosion-resistant aluminum is reinforced with e-coated steel and assembled to precise manufacturing tolerances with Henrob rivets and welded construction. This process produces a durable and safe cab that meets stringent A-pillar impact, rollover, and back wall impact tests. Plus, the vocational chassis includes a robust backbone with a complete offering of single- and double-channel frame rails. The result is a tensile strength of up to 120,000 psi and an RBM ratio up to 4.4 million inch-pounds per rail. This means the 114SD can handle whatever job is thrown at it, day after day, year after year.

SPECS AND OPTIONS

STANDARD FEATURES

- 114" BBC steel-reinforced aluminum day cab
- Set-forward front axle position @ 31"
- Strong, durable cab and hood
- Radiator-mounted mold-in color front grille with signature styling
- Front grille, headlight bezels, engine air intake grille, bumper, and primary mirrors trimmed in black
- Halogen composite headlights
- Air rear cab mounts
- Ergonomic wing dash
- 63" x 14" rear window
- Up to 50-degree wheel cut, depending on wheel equipment
- Detroit™ DD13® engine with 350 hp, 1350 lb-ft torque
- Eaton® Fuller® 10-speed manual transmission
- Front axle rated at 12,000 lb.
- Rear axle rated at 40,000 lb.
- 60-gallon cylindrical fuel tank

SPECIALIZED OPTIONS

- Allison 4700 RDS transmission
- Twin steer prep package
- Bridge formula bumpers for 29.5" front axle position
- Mixer body transition plates
- Set-back front axle position @ 48"
- Switch/harness pre-wire for lights (multiple configurations)
- Fresh air intake snow shield
- Snow plow cross member for wing plow support
- Extreme-climate thermal cab insulation
- Carbon fiber-reinforced aluminum type 3 compressed natural gas (CNG) fuel tanks with approximate range of 400 miles, depending on application
- 4.4 million RBM multichannel frame rails
- 60-gallon cylindrical fuel tank

OPTIONAL FEATURES

- Bright-accented front grille with chromed grille surround, headlight bezels, and engine air intake grille
- Engine air intake pre-cleaner
- Integral front frame extensions in 12" and 24" lengths for front bumper stabilizer install
- Large selection of wheelbases with frames and frame reinforcements to meet severe duty needs
- Front engine, rear engine, and transmission power take-offs
- Three batteries mounted under cab with clear back-of-cab packaging
- Range of cylindrical and rectangular aluminum fuel tanks
- Steer axles from 12,000 to 22,000 lb.
- Single drive axles from 21,000 to 38,000 lb. rating
- Tandem drive axles from 40,000 to 58,000 lb. rating
- Tridem drive axle set rated at 69,000 lb.
- Multiple clear frame specifications for outrigger installation
- Pusher and tag axles rated from 8000 to 22,000 lb., available in single or dual configurations
- A wide range of Eaton and Allison transmissions including 4700 RDS
- Freightliner AirLiner® and TufTrac® rear suspensions
- Hendrickson® and Chalmers® rear suspensions
- Expanded dash instrumentation, switches, and controls to meet almost any vocational application
- Detroit™ DD13® engine with up to 505 hp and 1850 lb-ft torque
- Detroit™ DD8™ engine with up to 350 hp and 1050 lb-ft torque
- Cummins ISL engine with up to 380 hp, 1300 lb-ft torque
- Cummins Westport natural gas engines up to 400 hp and 1450 lb-ft torque
- Removable and frame-mounted front tow devices
- Grab handles with rubber inserts
- 3.2 million RBM single-channel frame rail
- Engine compartment lighting



AVAILABLE CAB CONFIGURATIONS



AVAILABLE AXLE CONFIGURATIONS

114" BBC Set-Forward Axle
114" BBC Set-Back Axle

WORKING HARDER JUST GOT A LOT SMARTER.

The Freightliner Trucks 114SD is built for severe duty: packed with power and ready for work. For starters, the Detroit™ DD13® engine comes standard with a base rating of 350 hp and 1350 lb-ft of torque. Detroit™ DD8,™ Cummins L9, and ISL-G engines also are available as options. Detroit-powered 114SDs are available with the Detroit™ Connect suite of connected vehicle services to maximize uptime. The 114SD has optimized mid-chassis packaging and a strategically mounted aftertreatment system. The chassis layout simplifies upfitting for truck equipment manufacturers. And Freightliner's proprietary

SmartPlex® Electrical System provides unmatched flexibility when configuring a truck to suit specific body installations.

The 114SD also offers an incredible combination of durability and comfort. It's been through rigorous testing to ensure that it delivers performance and reliability in the most demanding situations. And the automotive-style interior is designed to keep operators safe and productive. Put simply, the 114SD sets the new standard for engineered performance and efficiency.

*Check with your dealer for availability.

Competitive financing available through Daimler Truck Financial. For the Freightliner Trucks dealer nearest you, call 1-800-FTL-HELP. www.freightliner.com. 15k, 1117, FTL/MC-B-1513. Specifications are subject to change without notice. Freightliner Trucks is registered to ISO 9001:2008 and ISO 14001:2004. Copyright © 2017. Daimler Trucks North America LLC. All rights reserved. Freightliner Trucks is a division of Daimler Trucks North America LLC, a Daimler company.



ENGINES

- Detroit™ DD13®
350-505 hp / 1250-1850 lb-ft torque
- Detroit™ DD8™*
260-350 hp / 660-1050 lb-ft torque
- Cummins L9®
260-350 hp / 720-1150 lb-ft torque
- Cummins Westport ISX12 G (natural gas)
Up to 400 hp / 1450 lb-ft torque

TRANSMISSIONS

- Eaton Fuller Manual
- Eaton Fuller Automated w/ optional UltraShift® Plus and Cobra shifter
- Allison Automatic w/ optional output retarder

AXLES (UP TO)

- Steer 23k
- AWD Steer 23k
- Single Drive 38k
- Tandem 58k
- Tridrive 69k



Detroit™ DD13®

Detroit™ DD8™



Cummins® L9 Engine

*Higher ratings are available for approved application.



114 SD

- Tilt hood with radiator-mounted stationary grille for easy engine access
- Up to 50-degree wheel cut, depending on wheel equipment
- 12" or 24" front frame extensions are available
- Day cab, extended cab, or crew cab* available (*set-back axle only)
- Corrosion-resistant Severe Duty aluminum cab reinforced with e-coated steel
- 2500 sq. in. windshield for greater worksite visibility
- Strong fiberglass hood
- Multiple engine- and transmission-mounted PTO configurations
- Optional bright trim package
- Contoured hood for pre-cleaner and snow door
- Optional passive pre-cleaner for improved intake filtration
- 3.5" fender extensions
- Front axle and suspension up to 23k capacity
- AWD front axle available up to 23k lb.
- Radiator-mounted grille
- Halogen composite headlights
- LED turn signals
- Hood-mounted splashguard
- Fixed or removable front tow devices
- Optional bridge formula bumper
- A variety of Eaton or Allison transmission options
- Wide cab for easy installation of control tower



- Multiple exhaust aftertreatment options and pipe routing
- 6-, 13- or 23-gallon DEF tanks
- Cylindrical or rectangular fuel tanks available



- Superior wheel cut for outstanding maneuverability
- Clear back-of-cab packaging
- 3 under-cab-mounted batteries available
- Custom frame pre-punching available for easy body and accessory upfit



- 65-degree door opening for easy entry and exit
- Mid-back driver and passenger seats available
- Breakaway mirrors
- Convenient grab handles for easy entry/exit



- Specialized SD options available including a twin steer prep package



- Ergonomically designed driver's area features an automotive-style dash, easy-to-read LED-backlit gauges, and controls within easy reach
- 114SD standard wing dash
- Air-suspended cab



- Tridem rear axles
- A wide range of rear suspensions with optimized ratings
- Tandem drive axles available
- Cement mixer transition plates available
- Reinforced wing snow plow cross-member available



FRAME RAILS

- Standard Single-Channel Frame Rails 11/32" thick x 10-3/16" @ 1.81 million RBM
- Optional Single-Channel Frame Rails 1/2" thick x 11-7/8" @ 3.2 million RBM
- Double-channel rails available up to 4.4 million RBM