

## 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.



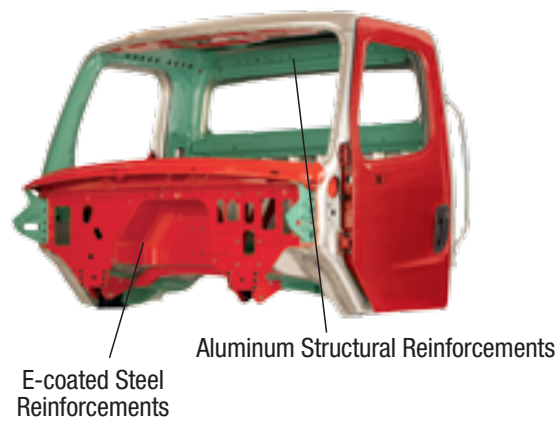
We understand the importance of operator visibility, entry, and egress. Comfort in the truck during a long work day can help reduce fatigue and improve safety. Freightliner's vocational trucks offer numerous available safety features and ergonomically designed, well-insulated cabs to help keep drivers 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 3.7 million inch-pounds per rail. This means the 108SD can handle whatever job is thrown at it, day after day, year after year.

## SPECS AND OPTIONS

### STANDARD FEATURES

- 108" BBC steel-reinforced aluminum day cab
- Set-back front axle position @ 42"
- Stationary radiator-mounted mold-in color front grille
- Tilt hood for easy engine access
- 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
- Cummins L9 380 hp, 1250 lb-ft torque engine
- Eaton® Fuller® 6-speed manual transmission
- Front axle rated at 12,000 lb.
- Rear axle rated at 21,000 lb.
- 50-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 6" and 24" lengths for front bumper stabilizer install
- Large selection of wheelbases, frames and frame reinforcements to meet severe duty needs
- Engine and transmission power take-offs
- Two or three batteries mounted under cab to optimize back-of-cab packaging
- Range of cylindrical and rectangular aluminum fuel tanks
- Steer axles from 10,000 to 20,000 lb.
- Single drive axles from 17,500 to 38,000 lb. rating
- Tandem drive axles from 40,000 to 46,000 lb. rating
- A wide range of Eaton® and Allison® transmissions
- Freightliner AirLiner® and TufTrac® rear suspensions
- Hendrickson® walking beam and air ride rear suspensions
- Expanded dash instrumentation, switches, and controls to meet almost any vocational application
- Detroit™ or Cummins engines with a broad range of power ratings
- Frame-mounted front tow eyes
- Engine compartment lighting



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-1512. 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.



# SEVERE DUTY



### AVAILABLE CAB CONFIGURATIONS



## HEAVYWEIGHT POWER. EFFICIENT PACKAGE.

The Freightliner Trucks 108SD combines powerful, fuel-efficient engines, multiple power take-off (PTO) options, a chassis engineered for ease of upfit, and a weight-optimized design. This severe duty truck takes toughness onto tight job sites and down narrow streets. It's powered by a reliable Detroit or Cummins engine, offering up to 380 horsepower and 1250 lb-ft of torque. And it provides a wheel cut of up to 50 degrees. The 108SD is extremely versatile, as well. Front engine, rear engine, and transmission PTO options allow flexibility for body hydraulic power needs. It offers integral front frame

extensions in either 6" or 24" lengths. This gives a solid mounting point for hydraulic pumps, winches, hose reels, front stabilizers, and snow plows. The 108SD also incorporates our proprietary SmartPlex® Electrical System, which provides unmatched flexibility when configuring trucks for specific applications. Detroit-powered 108SDs are available with the Detroit™ Connect suite of connected vehicle services to maximize uptime.\* Put simply, Freightliner has packed a lot of valuable features into an efficient package.

\*Check with your dealer for availability.



## ENGINES

- Detroit™ DD8™\*  
260-350 hp / 660-1050 lb-ft torque
- Cummins® B6.7\*  
200-325 hp / 520-750 lb-ft torque
- Cummins L9\*  
260-380 hp / 660-1250 lb-ft torque

## TRANSMISSIONS

- Eaton Fuller Manual
- Allison Automatic

## AXLES (UP TO)

- Steer\* 20k
- AWD Steer 23k
- Single Drive 38k
- Tandem 46k



Detroit™ DD8™



Cummins® L9 Engine



Cummins® B6.7 Engine



- Tilt hood with radiator-mounted stationary grille for easy engine access
- Superior wheel cut for outstanding maneuverability
- 6" and 24" front frame extensions available
- Halogen composite headlights for easy replacement
- Hood-mounted splash guard
- Optional tow hooks bolted to frame
- Easy headlight bulb access
- Day cab, extended cab, or crew cab available
- Corrosion-resistant Severe Duty aluminum cab reinforced with e-coated steel
- 2500 sq. in. windshield for greater worksite visibility
- Strong fiberglass hood
- Optional bright trim package
- Radiator-mounted grille
- LED turn signals
- Optional front frame extensions
- Front drive axle up to 23k capacity
- 3.5" fender extensions
- Up to 50-degree wheel cut, depending on wheel equipment
- 3 under-cab-mounted batteries available
- Cylindrical or rectangular fuel tanks available



- Exhaust aftertreatment located under cab for easy body upfit
- Efficient SCR and exhaust packaging for clear back of cab
- Clear frame rail and clear back-of-cab configurations
- Custom pre-drilled frame for easy body and accessory upfit

- Wide cab for easy installation of control tower
- 65-degree door opening for easy entry and exit

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

- 108SD standard wing dash
- Mid-back driver and passenger seats available



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

- A wide range of rear suspensions with optimized ratings
- Tandem drive axles available

## FRAME RAILS

- Standard Single-Channel Frame Rails 11/32" thick x 10-3/16" @ 1.81 million RBM
- Optional Single-Channel Frame Rails 7/16" thick x 11-1/8" @ 2.59 million RBM
- Double-channel rails available up to 3.7 million RBM