



**WORK SMART<sup>SM</sup>**



**122 SD**

**SEVERE DUTY**



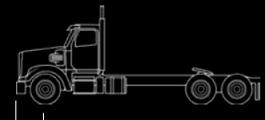
#### AVAILABLE CAB CONFIGURATIONS



Day Cab



58" Mid-Roof XT  
70" Mid-Roof XT



Set-Back Axle 43"



34" Mid-Roof  
48" Mid-Roof  
58" Mid-Roof  
70" Mid-Roof



58" Raised Roof  
70" Raised Roof



Set-Forward Axle 30.9"

# POWERFUL VERSATILITY.

The Freightliner Trucks 122SD is designed for big jobs and tough conditions. So whether you're hauling logs down a forest road or bringing stone out of a quarry, this truck can handle the job. With up to 600 horsepower and 2050 lb-ft of torque, it has both the power and the pull. In fact, GCWR is rated up to 210,000 lb. And there's even an optional 1700 square-inch radiator. So load it up, put it to work, and rest easy.

The 122SD also offers plenty of versatility. For starters, the clear back-of-cab chassis and robust electrical system make it easy to configure the vehicle to your precise specifications. The large windshield enhances visibility and safety. And, with a wheel cut up to 50 degrees, the 122SD can get in and out of tight job sites much more easily. Then when you add a quiet, comfortable cab interior and the Detroit™ Connect Virtual Technician<sup>SM</sup> remote diagnostic service, you have a truck engineered for excellent productivity.

## ENGINES

- Detroit™ DD13®  
350-505 hp / 1350-1850 lb-ft torque
- Detroit™ DD15®  
455-505 hp / 1550-1750 lb-ft torque
- Detroit™ DD16®  
500-600 hp / 1850-2050 lb-ft torque
- Cummins X15  
400-605 hp / 1750-2050 lb-ft torque

## TRANSMISSIONS

- Eaton Fuller Manual
- Eaton Fuller Automated
- Allison Automatic

## AXLES (UP TO)

- Front/Steer 23k
- Tandem Front 40k
- Tandem Rear 52k
- Tridem Rear 69k



Detroit™ DD13®



Detroit™ DD15®



Cummins X15



Detroit™ DD16®



- Hood tilts to approximately 90 degrees for easy engine and fluid access
- Day cab and multiple sleeper configurations available (set back or set forward)
- Dual exhaust available
- GHG17 compliant
- Stainless steel visor optional with LED marker lights
- Corrosion-resistant durable aluminum SD cab reinforced with e-coated steel
- Multiple engine- and transmission-mounted PTO configurations
- Optional hood mirrors
- Standard bright trim packages
- One-piece stainless steel grille
- Traditional style air intake grille with optional chromed steel finish and pre-cleaners
- Lower radiator rock guard
- Durable halogen headlight with serviceable reflector and bulb
- LED turn signals
- Hood-mounted splashguard
- Fixed or removable front tow devices
- Optional bridge formula bumper
- Optional 80,000 lb. logger bumper (TMC-rated)
- Front axle up to 22k and front suspension up to 23k capacity
- Optional skid plate for under-chassis protection



- 6-, 13- or 23-gallon DEF tank
- Cylindrical fuel tanks available with 23" or 25" diameters
- Cement mixer transition plates available



- 3 or 4 in-cab mounted batteries available (day cab)
- Winch brake optional
- Multiple exhaust aftertreatment options and pipe routing
- Clear back-of-cab packaging
- Superior wheel cut for outstanding maneuverability

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



- Custom frame pre-punching available for easy body and accessory upfit
- A wide range of rear suspensions with optimized ratings
- Available with tridem rear axles



- Dash controls are within easy reach for efficient operation
- Available with tire pressure monitoring system and air-weigh system in cab
- Up to 5.07 million RBM frame option available
- Air-suspended rear cab mounts standard

- Standard wing dash air-suspended cab
- Ergonomically designed driver's area features an automotive-style dash, easy-to-read LED-backlit gauges and controls within easy reach
- Eaton® UltraShift® Plus with hill start aid available
- Off-road ABS switch optional



## FRAME RAILS

### SINGLE-CHANNEL FRAME RAILS

- 11/32" thick x 10-3/16" x 3-1/2" Steel @ 1.81 million RBM (120 ksi)
- 11/32" thick x 12-15/16" x 3-3/4" Steel @ 2.72 million RBM (120 ksi)
- 7/16" thick x 13-1/8" x 3-3/4" Steel @ 3.5 million RBM (120 ksi)

### DOUBLE-CHANNEL FRAME RAILS (1/4" C-channel inner reinforcement)

- 7/16" thick x 11-1/8" x 3-9/16" Steel @ 3.71 million RBM (120 ksi)
- 11/32" thick x 12-15/16" x 3-3/4" Steel @ 4.32 million RBM (120 ksi)
- 7/16" thick x 13-1/8" x 3-3/4" Steel @ 5.07 million RBM (120 ksi)

# THE FIVE CONTRIBUTING FACTORS THAT MAXIMIZE RCO.



## UPFIT

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.



## UPTIME

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, many of which are Elite Support Certified dealers. With Detroit™ Connect Virtual Technician<sup>SM</sup> remote diagnostic service\*, 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.



## SAFETY

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.



## QUALITY

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

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.

# TOUGH INSIDE AND OUT.

The 122SD is tough. Test after test demonstrates it. The components, systems, and entire truck have been subjected to an array of product validation tests to ensure the 122SD delivers the expected function, performance, and reliability. The result is 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. This provides a tensile strength of up to 120,000 psi and an RBM ratio up to 5 million inch-pounds per rail. So it can handle the abuse of a typical job site. No problem.



E-coated Steel Reinforcements

Aluminum Structural Reinforcements

Corrosion-Resistant Aluminum Panels

- A durable, proven, non-corrosive aluminum SD cab reinforced with e-coated steel
- Strong cab construction; Henrob rivets used throughout the cab, and coach joints at cab roof and sidewall connections
- State-of-the-art adhesives to bond the cab's substructure to distribute forces and decrease fatigue
- Bonded windshields increase rigidity, and the two-piece design makes them easier to replace when damaged

# SPECS AND OPTIONS

## STANDARD FEATURES

- 122" BBC aluminum conventional day cab
- Set-back axle tractor @ 43"
- Detroit™ DD15® engine with Virtual Technician, up to 505 HP, 1750 lb-ft torque
- OBD16/GHG17 compliant
- Jacobs® compression brake
- Dual side of hood black air intake grilles with engine-mounted, high-capacity air cleaner
- Under step-mounted horizontal aftertreatment system assembly with single cab-mounted vertical tailpipe
- 1500-square-inch aluminum radiator
- Eaton® Fuller® 10-speed manual transmission
- Up to 50-degree wheel cut
- Detroit front axle rated at 12,000 lb.
- Detroit tandem rear axle rated at 40,000 lb., with AirLiner® 40k rear suspension
- 80-gallon aluminum fuel tank, 25" diameter
- Stainless steel grille with bright finish bezel
- Fiberglass hood with reinforced fenders tilts almost 90 degrees for easy engine access and serviceability
- Halogen headlamps with replaceable glass lens reflector, replaceable bulb; no tools required
- West Coast-style, door-mounted mirrors
- Premium cab noise abatement and insulation
- Adjustable tilt and telescoping steering column
- Ergonomic wraparound dash with white face gauges

## OPTIONAL FEATURES

- 122" BBC set-forward front axle @ 30.9," tractor and truck configurations
- Detroit™ DD13®, DD15®, and DD16® engines with up to 600 HP, 2050 lb-ft torque
- Detroit Visibility Package
- Cummins X15 engine with up to 605 HP, 2050 lb-ft torque

- A wide range of Eaton manual and automated manual, and Allison® automatic transmissions
- Steer axles rated from 12,000 to 23,000 lb., suspensions rated up to 23k
- Hendrickson® 12.5k front axle air ride suspension
- Drive axles, including tridem, rated from 23,000 to 69,000 lb.
- Multiple fuel tanks available, 23" and 25" diameter, combination fuel/hyd tanks available
- Oregon burl wood grain instrument panel
- Multiple sleeper configurations and interior cabinet layout options available, including cabinet nets instead of cabinet doors, and driver lounge option
- Multiple bright trim packages

## SPECIALIZED OPTIONS

- Huck spin frame fasteners
- Extreme climate thermal cab and sleeper insulation
- 1700-square-inch aluminum radiator that can cool loads up to 160,000 lb. GCW
- Radiator lower rock guard
- Skid plate (SBA only)
- Optional SD front cab mounts
- Hood fender extensions provide excellent spray protection
- Freightliner AirLiner®, TufTrac®, Hendrickson Haulmax®, Primaax EX®/Firemax® and Chalmers suspensions
- Liftable, steerable pusher and tag axles rated from 8000 lb. to 22,000 lb.
- In-cab battery box for day cab
- Large selection of wheelbases with frames and frame reinforcements to meet severe duty needs up to 5 million RBM
- Multiple transmission power take-off locations available with in-cab mounted controls
- Diesel-fired auxiliary heaters
- 12" polished aluminum bridge formula bumper
- 12" chromed steel 3/8" logger bumper with center tow device

Find a truck for your business at [freightliner.com/122SD](http://freightliner.com/122SD)

Competitive financing available through Daimler Truck Financial. For the Freightliner Trucks dealer nearest you, call 1-800-FTL-HELP. [www.freightliner.com](http://www.freightliner.com). FTL/MC-B-1510. Specifications are subject to change without notice. Copyright © 2018. Daimler Trucks North America LLC. All rights reserved. Freightliner Trucks is a division of Daimler Trucks North America LLC, a Daimler company.

