

FREIGHTLINER

WORK SMART

122SD

VOCATIONAL SEVERE DUTY





BUILT FOR SEVERE DUTY. CONFIGURED FOR YOUR NEEDS.

The Freightliner Trucks 122SD is designed for big jobs and brutal 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 2,050 lb-ft of torque, it has both the power and the pull. In fact, GCWR is rated up to 160,000 lbs. And there's even an optional 1,700 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 large 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™ Virtual Technician™ onboard diagnostic system, you have a truck engineered for excellent productivity.

Day Cab



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



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



58" Raised Roof
70" Raised Roof



Set-Back
Axle



43"

Set-Forward
Axle



30.9"

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.



Aluminum Structural Reinforcements E-coated Steel 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



ENGINES		
	HP	LB-FT TORQUE
Detroit DD13	350 - 450	1250 - 1650
Detroit DD15 TC	455 - 505	1550 - 1750
Detroit DD16	560 - 600	1850 - 2050
Cummins ISX15	400 - 600	1450 - 2050

All engines are certified to OBD13 and are GHG14 compliant.

TRANSMISSIONS	
Eaton Fuller Manual	
Eaton Fuller Automated Manual	
Allison Automatic	

AXLES	
Steer	12,000 lbs - 22,000 lbs
Single Drive	23,000 lbs - 26,000 lbs
Tandem Drive	40,000 lbs - 70,000 lbs
Tridrive	69,000 lbs



Hood tilts to approximately 90 degrees for easy engine and fluid access.

Optional skid plate for under-chassis protection.



Detroit DD15 TC Engine



Cummins ISX15 Engine

122 SD

- Detroit™ DD15® TC engine standard, optional Detroit DD13® or DD16®, Cummins® ISX15

- One-piece stainless steel grille
- 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

- Standard bright trim packages

- Traditional style air intake grille with optional chromed steel finish and pre-cleaners

- Optional hood mirrors

- Multiple engine- and transmission-mounted PTO configurations

- Corrosion-resistant durable aluminum SD cab reinforced with e-coated steel

- Stainless steel visor optional with LED marker lights

- GHG14 compliant

- Day cab and multiple sleeper configurations available (set back or set forward available)

- Dual exhaust available



- 6-, 13- or 23-gallon DEF tank

- Cylindrical fuel tanks available with 23" or 25" diameters

- 3 or 4 in-cab mounted batteries available (day cab)

- Winch brake optional

- Off-road ABS switch optional

- Cement mixer transition plates available

- A wide range of rear suspensions with optimized ratings



Available with tridem rear axles.

- Clear back-of-cab packaging

- Custom frame pre-punching available for easy body and accessory upfit

- Eaton® UltraShift® Plus with hill start aid available

- Air-suspended rear cab mounts standard

- Multiple exhaust aftertreatment options and pipe routing



Wide door opening for safe, easy entry/egress. Available with exterior, cab-mounted grab handle.



Wheel cut up to 50 degrees for excellent maneuverability.



Dash controls are within easy reach for efficient operation.

- Available with tire pressure monitoring system and air-weigh system in cab



The 122SD offers a roomy, quiet, comfortable cab interior.

FRAME RAILS	
Single Channel Frame Rails	11/32" thick x 10-3/16" x 3-1/2" Steel @ 1.81 million RBM (120ksi)
Single Channel Frame Rails	11/32" thick x 12-15/16" x 3-3/4" Steel @ 2.72 million RBM (120ksi)
Single Channel Frame Rails	7/16" thick x 13-1/8" x 3-3/4" Steel @ 3.5 million RBM (120ksi)
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 (120ksi)
Double Channel Frame Rails (1/4" C-channel inner reinforcement)	11/32" thick x 12-15/16" x 3-3/4" Steel @ 4.32 million RBM (120ksi)
Double Channel Frame Rails (1/4" C-channel inner reinforcement)	7/16" thick x 13-1/8" x 3-3/4" Steel @ 5.07 million RBM (120ksi)

- Up to 5.07 million RBM frame option available

*Duler reinforcement back-of-cab to end of frame for trailing arm mixer body (3/8" x 4.5" x 4") available with specific frame rails



STANDARD FEATURES

- 122" BBC aluminum conventional day cab
- Set-back axle tractor @ 43"
- Detroit DD15 TC engine with Virtual Technician, 455 HP, 1550 lb-ft torque
- OBD13 / GHG14 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 lbs
- Detroit tandem rear axle rated at 40,000 lbs, 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 TC and DD16 engines with up to 600 HP, 2050 lb-ft torque
- Detroit Visibility Package
- Cummins ISX15 engine with up to 600 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 22,000 lbs, suspensions rated up to 23k
- Hendrickson® 12.5k front axle air ride suspension
- Drive axles, including tridem, rated from 23,000 to 70,000 lbs
- 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 SEVERE DUTY 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 lbs 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 Haulmaax®, Primaax EX®/Firemaax® and Chalmers suspensions
- Liftable, steerable pusher and tag axles rated from 8,000 lbs to 22,000 lbs
- 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-inch polished aluminum bridge formula bumper
- 12-inch chromed steel 3/8 inch logger bumper with center tow device
- Bendix and WABCO disc brakes (single/tandem axle only)



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