

**FREIGHTLINER**

**WORK SMART™**

108SD

# VOCATIONAL SEVERE DUTY







# 108SD

## HEAVYWEIGHT POWER. EFFICIENT PACKAGE.

Freightliner's 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 Cummins® ISB or ISC engine, offering up to 350 horsepower and 1000 lb-ft torque. And it provides a wheel cut 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. Put simply, Freightliner has packed a lot of valuable features into an efficient package.

Available cab configurations:

- Day Cab
- Extended Cab
- Crew Cab



Set-Back Axle

42"

## WHERE TOUGHNESS MEETS EFFICIENCY.

We've applied sophisticated engineering to the structural elements of our work trucks. First, our cabs are lightweight, 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 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.



■ Aluminum Structural Reinforcements
 ■ E-coated Steel Reinforcements
 ■ Corrosion-resistant Aluminum Panels

- 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
- 2,500 square-inch 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.





# 108 SD

## ENGINES

Cummins ISB 200 - 325 hp / 520 - 750 lb-ft torque	•
Cummins ISC 260 - 350 hp / 660 - 1000 lb-ft torque	•

## TRANSMISSIONS

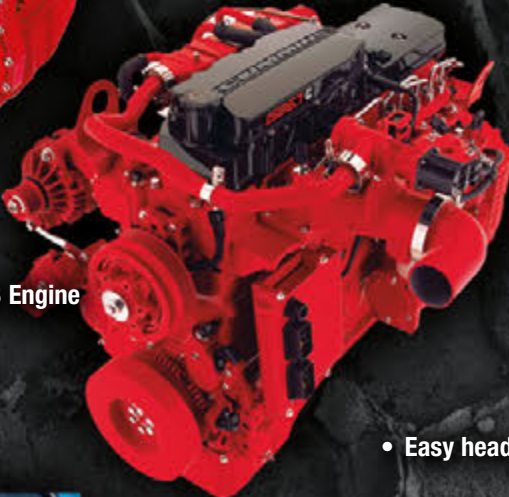
Eaton Fuller Manual	•
Allison Automatic	•

## AXLES (UP TO)

Steer	20k
Single Drive	38k
Tandem	46k



Cummins® ISC Engine



Cummins® ISB Engine



Tilt hood with radiator-mounted stationary grille for easy engine access.



6" and 24" front frame extensions available.

• Cummins ISC engine standard, optional ISB engine

• Optional bright trim package

• Radiator-mounted grill

• Easy headlight bulb access

• Halogen composite headlights for easy replacement

• Hood-mounted splash guard

• Optional tow hooks bolted to frame

• LED turn signals

• Optional front frame extensions

• Front drive axle up to 16k capacity

• 3.5" fender extensions

• Up to 50-degree wheel cut, depending on wheel equipment

• Day cab, extended cab, or crew cab available

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

• 2,500 sq. in. windshield for greater worksite visibility

• Strong fiberglass hood

• Optional passive pre-cleaner for improved intake filtration

• Breakaway mirrors

• Convenient grab handles for easy entry/exit

• Multiple exhaust aftertreatment options and pipe routing

• Efficient SCR and exhaust packaging for clear back-of-cab

• Air-suspended cab

• Mid-back driver and passenger seats available

• A variety of Eaton or Allison transmission options

• Wide cab for easy installation of control tower

• Custom pre-drilled frame for easy body and accessory upfit

• Clear frame rail and clear back-of-cab configurations

• 3 under cab-mounted batteries available

• Cylindrical or rectangular fuel tanks available



65-degree door opening for easy entry and exit.



Superior wheel cut for outstanding maneuverability.



108SD standard wing dash.



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



Exhaust aftertreatment located under cab for easy body upfit.

• 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
<small>*double channel rails available up to 3.7 million RBM</small>	



WORK SMART™



## 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
- Standard Cummins® ISC 350 HP, 1000 lb-ft torque engine
- Eaton® Fuller® 6-speed manual transmission
- Front axle rated at 12,000 lbs
- Rear axle rated at 21,000 lbs
- 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 with 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 lbs
- Single drive axles from 17,500 to 38,000 lbs rating
- Tandem drive axles from 40,000 to 46,000 lbs 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
- Cummins® ISB engine with up to 325 HP, 750 lb-ft torque
- Frame-mounted front tow eyes



[FREIGHTLINERTRUCKS.COM/WORKSMART](http://FREIGHTLINERTRUCKS.COM/WORKSMART)



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