

M2 106 PLUS

FREIGHTLINER

WORK SMART



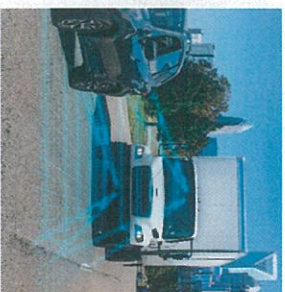
THE BEST KEEPS GETTING BETTER.

The reliable Freightliner® M2 106 Plus continues to take efficiency and performance to the next level. From productivity to driver comfort and everything in between, the M2 106 Plus delivers the versatility, visibility and safety you expect from Freightliner. We took the #1 best-selling medium-duty truck in North America and added multiple powertrain options, the QuickFit® Electrical System and Detroit Assurance® Suite of Safety Systems to make it safer, more comfortable and more productive than ever before.



SAFETY AND PRODUCTIVITY GO HAND IN HAND.

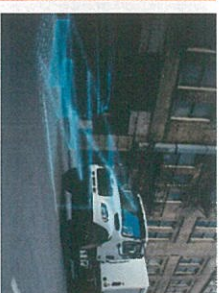
The Detroit Assurance® Suite of Safety Systems is one of the most advanced and comprehensive safety systems on the road. Delivering increased uptime by helping mitigate collisions, Detroit Assurance improves even the most seasoned operator's awareness.



ACTIVE BRAKE ASSIST & HELPS MITIGATE COLLISIONS.
Detroit's Active Brake Assist (ABA) helps to keep a safe distance between vehicles. If a vehicle in front of you slows down or stops, ABA will automatically apply the brakes to help prevent a collision.



ADAPTIVE CRUISE CONTROL MAINTAINING A SAFE DISTANCE.
Detroit's Adaptive Cruise Control (ACC) helps maintain a safe distance between vehicles. It automatically adjusts the truck's speed to match the speed of the vehicle in front of it, helping to reduce the risk of a collision.



LANE DEPARTURE WARNING KEEPS DRIVERS BETWEEN THE LINES.
Detroit's Lane Departure Warning (LDW) helps keep the truck in its lane. It monitors the truck's position and provides a warning if it starts to drift out of its lane.



SIDE GUARD ASSIST CAN SAVE LIVES.
Detroit's Side Guard Assist (SGA) helps prevent collisions with vehicles in the adjacent lane. It monitors the truck's position and provides a warning if it starts to drift into the adjacent lane.



BENDIX INTELLIPARK HELPS PREVENT HOLLAWAYS.
Detroit's Bendix IntelliPark (IP) helps prevent collisions with vehicles in the adjacent lane. It monitors the truck's position and provides a warning if it starts to drift into the adjacent lane.

COMFORT THAT KEEPS DRIVERS FOCUSED.

The redesigned interior of the M2 106 Plus offers a range of features to help improve operator comfort and focus on the road and job site. Choose from three new trim levels with improved materials designed for a superior fit and finish.

INTERIOR FEATURES

- +1 Standard tilt and telescopic steering column and multifunction shift stalk.
- +2 Optional pre-rip inspection switch.
- +3 Automatic wipers, automatic headlights and intelligent high beams.
- +4 2,500-sq-in, over-ride windshield.
- +5 Steering wheel with integrated PTO controls.
- +6 Overhead storage console.
- +7 Easily accessible window and lock controls.
- +8 Noise-dampening cab insulation.

CONNECTED TRUCKS THAT SIMPLIFY YOUR WORLD.

Jason's Connect is more than data. It's the power to make smarter, smarter decisions that take your business further.

FEATURES INCLUDE:

DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTICS SERVICE
 Ship to us a trouble code, and we'll have a virtual technician on hand to help you solve the problem.

REMOTE UPDATES

Maximize uptime and performance with over-the-air engine parameter updates.

SAFETY ANALYTICS

Get a real-time view of your fleet's performance metrics and reduce risk.




UPFIT HAS NEVER BEEN EASIER.

Specifying work tools is a specialized task. The M2 106 Plus is designed with two specially designed upfit kits to simplify upfit with our equipment.

CREATE CUSTOM LOGIC WITH CHIEF TOOL

The Chief Tool - Personalized System enables customers to create custom logic for upfitting equipment with the truck's chassis. So you can upfit your truck for any application.

M2 106 PLUS | SPECS AND CONFIGURATIONS

DAY CAB: 106" BBC	AXLE POSITION	SBA
	AXLE CONFIGURATIONS	4x2 4x4 6x4
	TRIM LEVELS	Elite Professional Rugged
	ENGINES	Detroit Detroit D05™, 200-240 HP, 560-660 lb-ft Detroit D08™, 260-375 HP, 600-1,050 lb-ft Cummins Cummins B6.7™, 200-325 HP, 600-750 lb-ft Cummins IS4™, 250-340 HP, 860-1,160 lb-ft Cummins IS6™ (emergency rating), 280-380 HP, 800-920 lb-ft Cummins IS6 (emergency rating), 270-360 HP, 800-1,150 lb-ft
EXTENDED CAB: 132" BBC	TRANSMISSIONS	Manual Eaton Fuller™ 6-Speed Eaton Fuller™ 10-Speed Eaton Fuller™ 11-Speed Automatic Allison 1000 Series™ Allison 2000 Series™ Allison 3000 Series™
	SUSPENSION	Front Taper Leaf, 6,000-20,000 lbs Flat Leaf, 12,000-20,000 lbs Rear Taper Leaf, 12,500-23,000 lbs Flat Leaf, 20,000-31,000 lbs Flat Leaf, 20,000-31,000 lbs PRIMAAX™PRIMAAX™, 23,000-40,000 lbs Tuffrac™, 40,000-52,000 lbs HALLMARK™, 40,000-52,000 lbs
	AXLES	Front Detroit, single, 6,000-20,000 lbs Meritor, single, 8,000-20,000 lbs Rear Detroit, tandem, 40,000-44,000 lbs Meritor, tandem, 40,000-46,000 lbs Dana, tandem, 46,000 lbs
	CLASS	6-8
	WHEEL CUT	Up to 55 degrees

Freightliner provides a wide range of products compliant with EPA, CAFE emissions, GHG and CO2 requirements. Please consult your local dealer to ensure the selection of a product that meets your specific needs.





EXTENSIVE FREIGHTLINER DEALER NETWORK

Freightliner offers North America's most extensive dealership network with nearly 500 locations staffed by highly trained experts who know your M2 106 Plus trucks. Certified Elite Support™ dealer locations consistently deliver a superior customer experience by working with you to understand your unique needs and ensuring transparent communication throughout every interaction at the dealership. With access to Freightliner's proprietary suite of service tools and the dedication to maximizing your uptime, our entire network ensures your vehicle is back on the road as soon as possible.



SPECIALIZED FINANCE AND INSURANCE SOLUTIONS

As the captive finance company for Daimler Truck North America, Daimler Truck Financial Services specializes in developing customized finance and insurance solutions for your M2 106 Plus, allowing you to combine the truck, body, additional equipment and insurance into one package, helping you maximize your investment.

For more information on how the M2 106 Plus
can help move your business forward, visit freightliner.com.

Competitive financing available through Daimler Truck Financial. For the Freightliner dealer nearest you, visit freightliner.com. FTLMC-B-1655. Freightliner is registered to ISO 9001:2015 and ISO 14001:2015. Specifications are subject to change without notice. © 2024 Daimler Truck North America LLC. All rights reserved. Freightliner is a division of Daimler Truck North America LLC, a Daimler Truck Holding AG (DTG) company.



DAIMLER TRUCK | Freightliner - A Daimler Group Brand
NORTH AMERICA

Daimler Truck Financial

Financing that works for you.





TRUCKS [DEALER \(/dealer-search/\)](#)  

[Home](#) / [Trucks](#) / [M2 112 Plus](#)

FREIGHTLINER // ON-HIGHWAY

M2 112 Plus

The Freightliner M2 112 Plus brings more to every job. Ideal for LTL, regional haul and food and beverage applications, the M2 112 Plus is designed to bring comfort, efficiency and productivity to your fleet.

[Get a Quote \(/request-a-quote/\)](#)



CLASS  (/)

TRUCKS DEALER
(/dealer-search/) 🔍 ☰

7-8

HORSEPOWER

260-525

TORQUE

UP TO 730 TO 1850 LB-FT

GVWR


UP TO 80,000 LBS

[View All Specs & Resources \(/trucks/m2-112-plus/specifications/\)](/trucks/m2-112-plus/specifications/)

M2 112 PLUS

It All Adds Up To More

The M2 112 Plus makes a trusted, dependable work truck even better. With an all-new interior that provides more driver comfort, a powertrain that delivers more performance and one of the most advanced active safety technologies that enable more uptime, the M2 112 Plus offers a greater productivity advantage than ever before.

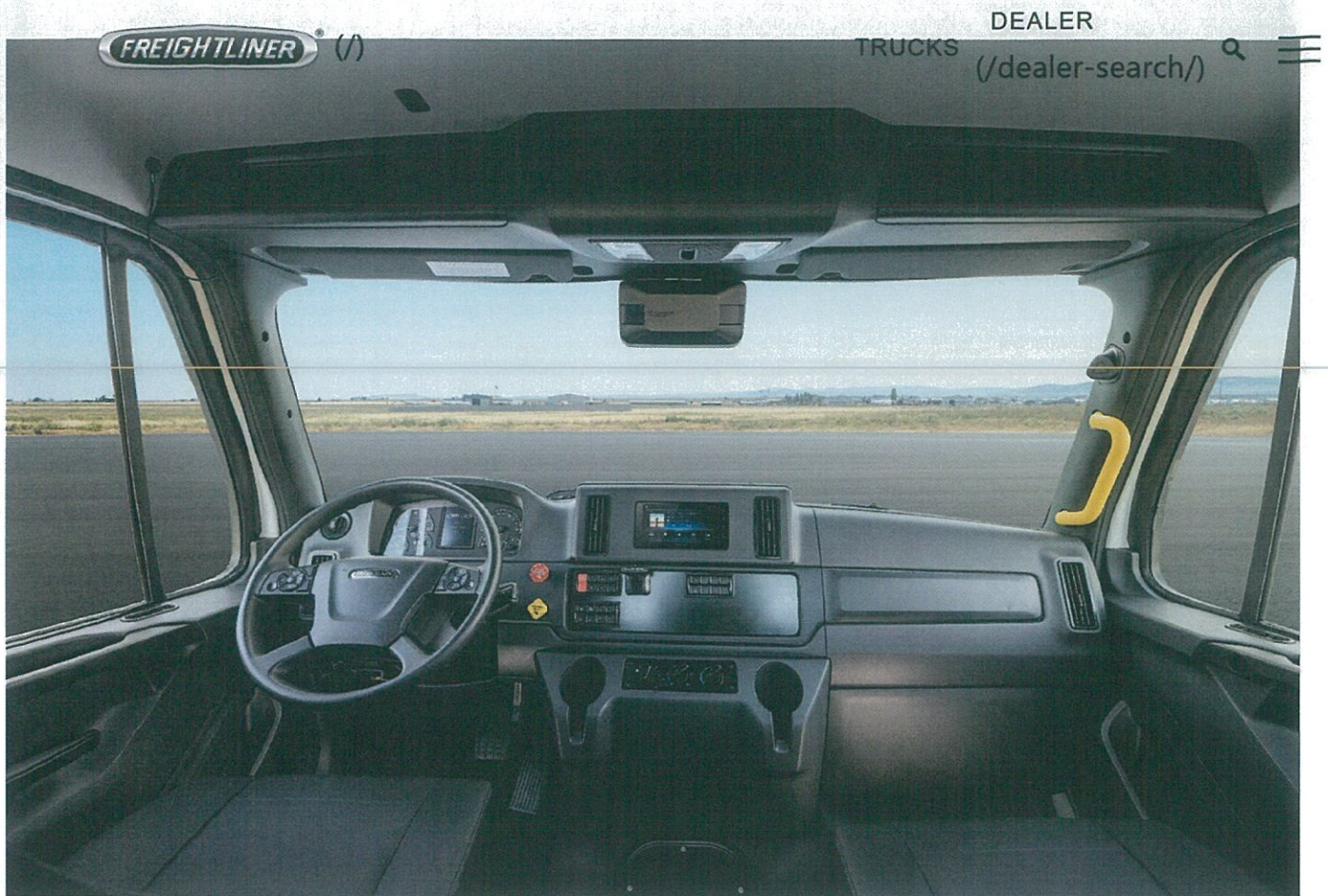
The M2 112 Plus is easy to customize for a range of applications, thanks to the QuickFit™
Electrical  enables simplified upfit and programming with the M2 112 Plus, greater
efficiency and a better bottom line are within reach.

PRODUCTIVITY

A Truck That Delivers Results

The M2 112 Plus features an all-new interior for more comfort, plus Detroit Powertrain
(<https://demanddetroit.com/idp/>) options that deliver maximum productivity and efficiency.

You can spec your M2 112 Plus as a straight truck or tractor with a day cab, extended cab or
crew cab. An all-wheel-drive option is also available to fit the needs of your unique application.



Productivity-Boosting Comfort

The M2 112 Plus interior makes hard workdays easier. It offers a range of new features that help keep drivers focused on getting the job done, including:

- Three all-new trim levels that provide optimal driver comfort and the best fit for the job.
- Newly-designed ergonomic seats featuring precision adjustability and exceptional comfort.
- A new standard cab insulation package for a quieter work environment.
- Increased storage to keep drivers organized and focused.
- A redesigned, modern dash with an easy-to-read driver command center.
- A standard tilt and telescoping steering wheel with multi-function controls for easier operation.
- Fully customizable, LED-backlit switches that ease truck operation and help the driver in low light situations.



FREIGHTLINER

DEALER
TRUCKS
(dealer search/)



Applications



TRUCKS [DEALER \(/dealer-search/\)](#)  

The M2 112 Plus provides plenty of options for use in a wide range of applications. Available in truck and tractor configurations, the M2 112 Plus offers your choice of a day cab, extended cab or crew cab.



Pickup and Delivery 

[\(/vocational/pickup-and-delivery/\)](#)

FREIGHTLINER (✓)


TRUCKS DEALER
(/dealer-search/)



Food and Beverage →

(/vocational/food-and-beverage/?truckId=1139&vocationId=1405)



TRUCKS [DEALER \(/dealer-search/\)](#) 



Bulk Haul 

[\(/vocational/bulk-haul/?truckId=1139&vocationId=1403\)](/vocational/bulk-haul/?truckId=1139&vocationId=1403)



FREIGHTLINER® (/)

DEALER
TRUCKS (/dealer-search/)



Refuse →

(/vocational/refuse/?truckId=1139&vocationId=1409)

108SD PLUS

114SD PLUS

FREIGHTLINER
WORK SMART



TRUCKS THAT WORK THE HARDEST AND THE SMARTEST.

**MORE COMFORT, MORE SAFETY AND
MORE PRODUCTIVITY FOR ANY
VOCATIONAL APPLICATION.**

When it comes to getting the job done, you need trucks that work as hard, and as safely, as you do. The versatile 108SD Plus and 114SD Plus are the same reliable workhorses you know and trust from Freightliner, only better. We built on the reliable foundation you love and added more of it all. More comfort, more safety and more productivity – all on the most reliable and proven platform.



SAFETY THAT POWERS PRODUCTIVITY.

The Detroit Assurance® Suite of Safety Systems is one of the most advanced and comprehensive safety systems on the road. Delivering increased uptime by helping mitigate collisions, Detroit Assurance improves even the most seasoned operator's awareness.



ACTIVE BRAKE ASSIST 5 HELPS MITIGATE COLLISIONS:

Detroit Assurance Active Brake Assist 5 (ABA 5) helps mitigate potential collisions by constantly detecting the distance of objects ahead, calculating speed and providing a warning or even full braking if necessary.



ADAPTIVE CRUISE CONTROL FOR MAINTAINING A SAFE DISTANCE:

Detroit Assurance Adaptive Cruise Control (ACC) automatically adjusts the truck's cruising speed to maintain a safe following distance, even in stop-and-go traffic, allowing the driver to focus on their surroundings.



LANE DEPARTURE WARNING KEEPS DRIVERS BETWEEN THE LINES:

Lane Departure Warning (LDW) tracks the truck's position and sounds a warning if the truck initiates an unintentional lane departure, increasing the safety of everyone on the road.



SIDE GUARD ASSIST CAN SAVE LIVES:

Whether driving or on the jobsite, Detroit Assurance Side Guard Assist (SGA) alerts the driver about objects and pedestrians in the truck's passenger-side blind spot, making it a valuable addition to any vehicle.



BENDIX INTELLIPARK HELPS PREVENT ROLLAWAYS:

Keep operators and their surroundings safer with the optional Bendix® Intellipark®, a sophisticated electronic parking brake system that's designed to help prevent rollaways caused by an improperly set or accidentally disengaged parking brake.

DESIGNED WITH OPERATORS IN MIND.

The 108SD Plus and 114SD Plus have a modern dash and offer a full range of operator-centric features, making them easier to operate while reducing fatigue and increasing productivity. Choose from three new trim levels with high-quality materials designed for superior fit and finish.

+8

+6

+4

+3

+7

+5

+1

+2

INTERIOR FEATURES

- +1 Standard tilt and telescopic steering column and multifunction shift stalk
- +2 Optional pre-trip inspection switch
- +3 Automatic wipers, automatic headlights and intelligent high beams
- +4 2,500-sq.-in., one-piece windshield
- +5 Steering wheel with integrated PTO controls
- +6 Overhead storage console
- +7 Easily accessible window and lock controls
- +8 Noise-damping cab insulation

POWERTRAIN OPTIONS FOR ANY APPLICATION.

The 108SD Plus and 114SD Plus are available with:

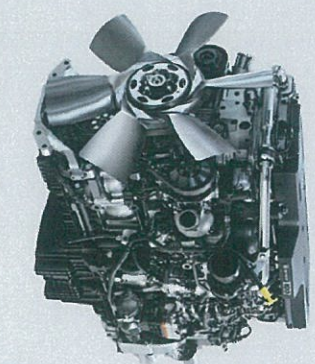
- Detroit® and Cummins engines
- Detroit, Allison and Eaton transmissions*

The 114SD Plus offers enhanced vocational-focused powertrain options, including:

- The Detroit® DD13® Gen 5 engine for more torque and power
- The Detroit® DT12®-V automated manual transmission for enhanced durability and low-speed maneuverability

The DT12-V transmission is purpose-built for productivity in a wide range of applications. Features include:

- Power Launch
- Hill Start Aid
- Off-Road Mode
- Rock-Free Mode
- Creep Mode
- Paver Mode



* Detroit transmissions only available on 114SD Plus

Freightliner provides a wide range of products compliant with EPA, CARB emissions, GHG and OBD requirements. Please consult your local dealer to ensure the selection of a product that meets your specific needs.

UPFIT HAS NEVER BEEN EASIER.

The 108SD Plus and 114SD Plus are designed with versatility in mind, so you can upfit your truck for any application.

SIMPLIFY UPFIT WITH QUICKFIT

Our QuickFit® Electrical System makes it easier to integrate specialized equipment with the truck chassis, so you can upfit your truck for any application.

CREATE CUSTOM LOGIC WITH CHEC TOOL

The Dainler CHEC Tool™ provides an easy-to-use interface to view and modify electrical configurations as well as change parameters in minutes.

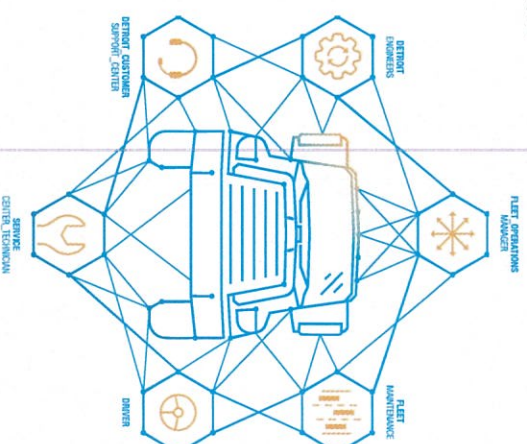
CONNECTED TRUCKS FOR A CONNECTED WORLD.

DETROIT CONNECT®
VIRTUAL TECHNICIAN®
REMOTE DIAGNOSTICS
SERVICE

Simplify maintenance with real-time alerts and analytics.

SAFETY ANALYTICS
Get a window into your fleet's performance like never before.

REMOTE UPDATES
Maximize uptime and performance with over-the-air updates.



108SD PLUS | SPECS AND CONFIGURATIONS

DAY CAB: 108" BBC



EXTENDED CAB: 134" BBC



CREW CAB: 156" BBC



AXLE POSITION	SBA	
AXLE CONFIGURATIONS	4x2 4x4 6x4	
TRIM LEVELS	Elite Professional Rugged	
ENGINES	Detroit Detroit® DD8™, 260-375 HP, 660-1,050 lb-ft	Cummins Cummins B6,7™: 220-325 HP, 520-750 lb-ft Cummins L9: 260-380 HP, 860-1,250 lb-ft
TRANSMISSIONS	Manual Eaton Fuller® 10-Speed Eaton Fuller® 11-Speed	Automatic Allison 2000 Series™ Allison 3000 Series™
SUSPENSION	Front Taper Leaf: 10,000-20,000 lbs Flat Leaf: 14,600-20,000 lbs	Rear Taper Leaf: 16,000-23,000 lbs Flat Leaf: 20,000-31,000 lbs AirLiner®: 21,000-23,000 lbs PRIMAAX®/FIREMAX®: 23,000-26,000 lbs
AXLES	Front Detroit, single, 10,000-20,000 lbs Meritor, single, 10,000-20,000 lbs Marmion-Herrington, 23,000 lbs, front drive	Rear Detroit, single, 17,500-23,000 lbs Meritor, single, 21,000-31,000 lbs Detroit, tandem, 40,000-44,000 lbs Meritor, tandem, 40,000-46,000 lbs Dana, tandem, 46,000 lbs
CLASS	7-8	
WHEEL CUT	Up to 50 degrees	

114SD PLUS | SPECS AND CONFIGURATIONS

DAY CAB: 114" BBC



EXTENDED CAB: 140" BBC



CREW CAB: 162" BBC



AXLE POSITION	SBA SFA		
AXLE CONFIGURATIONS	4x2 4x4 6x4 6x6 8x6		
TRIM LEVELS	Elite Professional Rugged		
ENGINES	Detroit Detroit® DD8™: 330-375 HP, 1,000-1,050 lb-ft Detroit DD13®: 370-525 HP, 1,250-1,850 lb-ft	Cummins Cummins L9: 260-380 HP, 860-1,250 lb-ft Cummins X12: 350-475 HP, 1,350-1,700 lb-ft	Cummins L9 (emergency rating): 270-450 HP, 860-1,250 lb-ft Cummins X12 (emergency rating): 455-500 HP, 1,700 lb-ft
TRANSMISSIONS	Manual Eaton Fuller® 10-Speed Eaton Fuller® 11-Speed Eaton Fuller® 13-Speed Eaton Fuller® 18-Speed	Automated Manual Detroit® DT12®-V Eaton Endurant HD Eaton Endurant XD Pro Eaton Endurant Overdrive 12-Speed	Automatic Allison 3000 Series™ Allison 4000 Series™
SUSPENSION	Front Taper Leaf: 12,000-20,000 lbs Flat Leaf: 14,600-23,000 lbs	Rear Taper Leaf: 21,000-23,000 lbs Flat Leaf: 23,000-31,000 lbs AirLiner®: 21,000-69,000 lbs PRIMAAX®/FIREMAXX®: 23,000-54,000 lbs	Chalmers: 30,000-46,000 lbs TurTrac®: 40,000-52,000 lbs HAULMAAX®: 40,000-52,000 lbs
AXLES	Front Detroit, single, 10,000-20,000 lbs Detroit, twin steer prep, 40,000 lbs Meritor, single, 12,000-40,000 lbs Marron-Herrington, 23,000 lbs, front drive	Rear Detroit, single, 21,000-23,000 lbs Meritor, single, 23,000-31,000 lbs Detroit, tandem, 40,000-44,000 lbs Meritor, tandem, 40,000-50,000 lbs	Dana, tandem, 46,000 lbs Meritor, tridem, 69,000 lbs
CLASS	7-8		
WHEEL CUT	Up to 50 degrees		



EXTENSIVE FREIGHTLINER DEALER NETWORK

Freightliner offers North America's most extensive dealership network with nearly 500 locations staffed by highly trained experts who know your SD Plus trucks. Certified Elite Support™ dealer locations consistently deliver a superior customer experience by working with you to understand your unique needs and ensuring transparent communication throughout every interaction at the dealership. With access to Freightliner's proprietary suite of service tools and the dedication to maximizing your uptime, our entire network ensures your vehicle is back on the road as soon as possible.



SPECIALIZED FINANCE AND INSURANCE SOLUTIONS

As the captive finance company for Daimler Truck North America, Daimler Truck Financial Services specializes in developing customized finance and insurance solutions for your 108SD Plus or 114SD Plus, allowing you to combine the truck, body, additional equipment and insurance into one package, helping you maximize your investment.

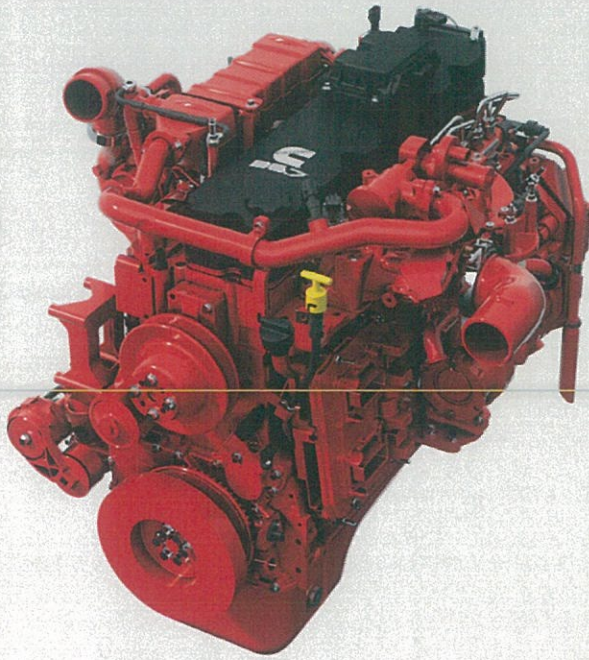
For more information on how the Freightliner® 108SD Plus and 114SD Plus series trucks can help move your business forward, visit freightliner.com.

Competitive financing available through Daimler Truck Financial. For the Freightliner dealer nearest you, visit freightliner.com. FTU/MC-B-1656. Freightliner is registered to ISO 9001:2015 and ISO 14001:2015. Specifications are subject to change without notice. © 2024 Daimler Truck North America LLC. All rights reserved. Freightliner is a division of Daimler Truck North America LLC, a Daimler Truck Holding AG (DTG) company.

DAIMLER TRUCK | Freightliner - A Daimler Group Brand
North America

Daimler Truck Financial
Financing that works for you.





B6.7™

The power to meet your needs

The Cummins B6.7™ is one of the most dependable and durable medium-duty engines available. Tested and proven with more than 12 million engines produced over 40 years and billions of miles driven.

The EPA certified 2024 B6.7 builds on this legacy. We continue to listen to our customers and are focused on developing uptime and reliability. To best align with transmission offerings in 2024 and improved durability, we're implementing rating changes to peak torque on low-end ratings.

We've stuck with the 2021 feature updates that allow for extended engine service intervals. With longer oil change intervals, more time in between fuel filter changes and a completely maintenance-free crankcase ventilation filter, your truck goes longer. This means fewer trips to the garage for regular maintenance and more money back to your bottom line. New for 2024, the B6.7 offers advancements in connectivity to identify, prevent and resolve issues faster.

Of course, the B6.7 is backed by the best warranty and extended coverage plans in the industry and the largest, most capable support network in North America.

B6.7 SPECIFICATIONS

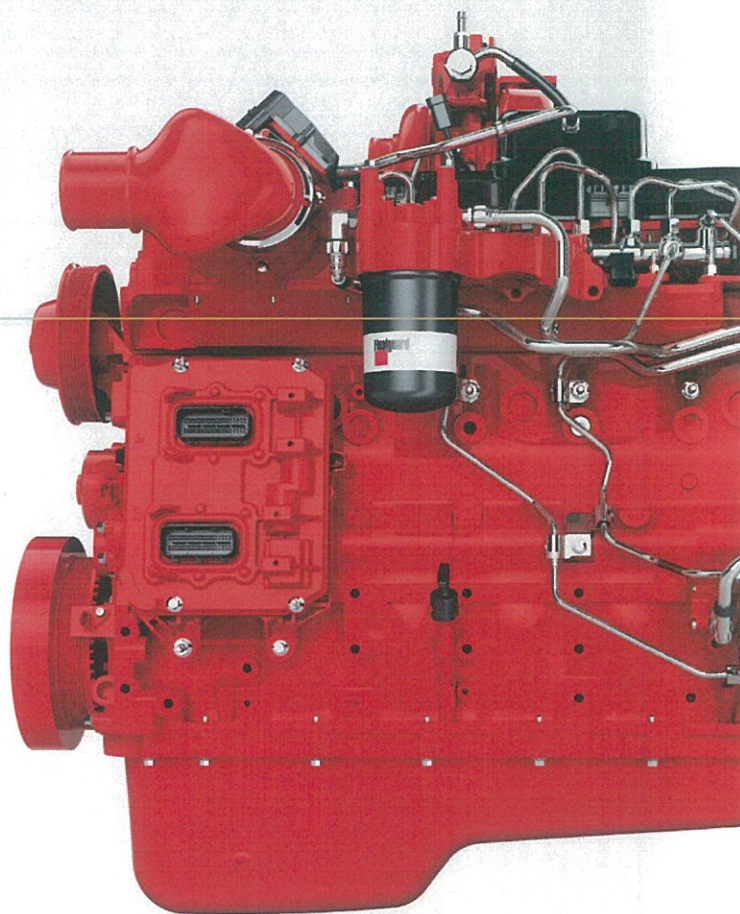
Horsepower	200-325 hp (149-242 kW)
Peak torque	600-750 lb-ft (813-1017 N • m)
Governed speed	2600 RPM
Clutch engagement torque	400 lb-ft (542 N • m)
Number of cylinders	6
Engine weight (dry)	1150 lb (522 kg)

An unparalleled ability to look ahead

Cummins customers can expect a digitally enriched experience over the life of their vehicles. Newly released features connect in-mission operations directly to maintenance and repair processes, giving customers an unparalleled ability to look ahead, optimize operations and minimize downtime.

THE PERFORMANCE ADVANTAGE

We understand that a one power solution doesn't fit all, but for many severe duty-cycle or city-driving applications, Cummins still recommends diesel power to get the job done. The higher torque at lower engine speeds provided by the B6.7 means less strain on the engine over its lifecycle for long-term durability. We also know it's important to provide the lowest total cost of operation possible without sacrificing performance. That's why we've ensured the next generation B6.7 delivers longer oil drain intervals, more time in between fuel filter changes and a new maintenance-free crankcase ventilation filter, saving you time and money.



ENGINE MAINTENANCE INTERVALS

Maintenance item	Miles/kilometers	Hours	Months
Oil and filter*	Up to 30,000 mi/48,000 km	1,000	18
Fuel filter	Up to 60,000 mi/97,000 km	2,000	18
Overhead adjustment	150,000 mi/240,000 km	5,000	48
DEF filter	200,000 mi/320,000 km	6,500	
Particulate filter cleaning	200,000 mi/320,000 km	6,500	-

Crankcase Ventilation Filters are maintenance free.

*With a 19 quart oil pan. Maintenance intervals duty cycle dependent. Consult your Operation Maintenance Manual for more information.



**BUILD YOUR LEGACY
TODAY WITH THE B6.7.**

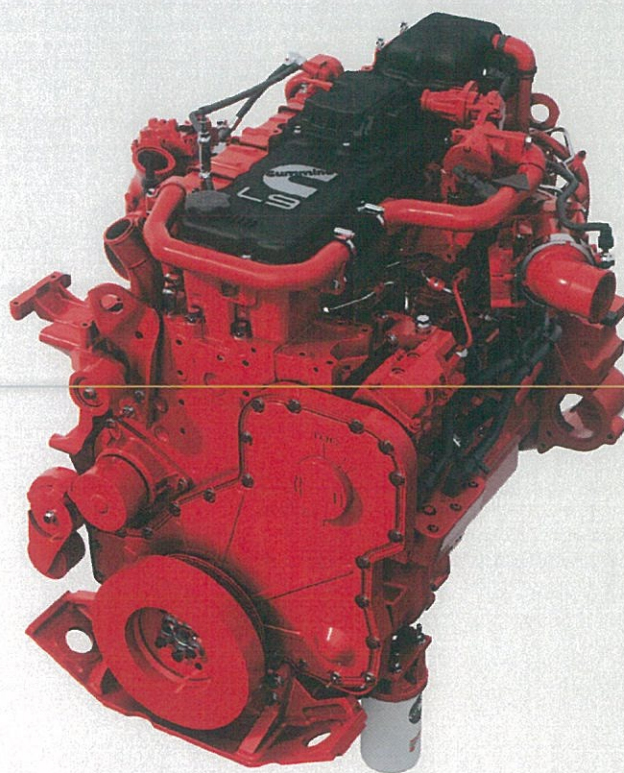
For more information, please
visit cummins.com.



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cummins.com

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L9™

The power to meet your needs

The Cummins L9™ has a reputation across North America as a proven workhorse, boasting 35+ years of production with more than 5 million engines manufactured globally. The 2024 L9 delivers class-leading power and torque ratings, an unmatched power-to-weight ratio, and the dependability and uptime you expect from Cummins.

2024 L9 engines do more than just provide the power, reliability and durability you need to get the most difficult jobs done. With ratings ranges of 260 hp to 380 hp (194-283 kW) and up to 1,250 lb-ft (1,695 N • m) of peak torque, the L9 is designed to excel in some of the toughest duty cycles.

High-strength components and features, like replaceable cylinder liners for easier rebuilding, add life to the engine and its residual value.

L9 SPECIFICATIONS

Horsepower	260-380 hp (194-283 kW)
Peak torque	860-1250 lb-ft (1166-1695 N • m)
Governed speed	2100 / 2200 RPM
Clutch engagement torque	575 lb-ft (780 N • m)
Number of cylinders	6
Engine weight (dry)	1695 lb (769 kg)

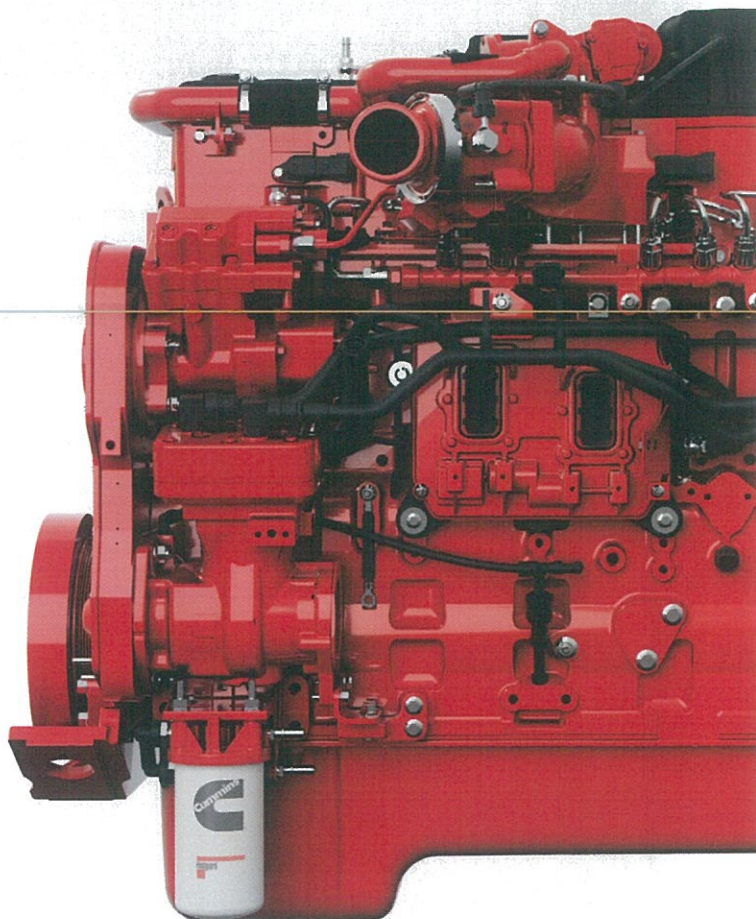
An unparalleled ability to look ahead

Cummins customers can expect a digitally enriched experience over the life of their vehicles. Newly released features connect in-mission operations directly to maintenance and repair processes, giving customers an unparalleled ability to look ahead, optimize operations and minimize downtime.

ALL ABOUT UPTIME

To improve uptime, we extended the recommended engine maintenance intervals so you can go longer between oil drains and fuel filter changes. A completely maintenance-free breather means you'll never have to change a crankcase ventilation filter again. Trucks go longer between trips to the garage for scheduled maintenance and more money goes back to your bottom line. New for 2024, the L9 offers advancements in connectivity to help you identify, prevent and resolve issues faster.

Of course, all Cummins engines are backed by the largest, most capable support network in North America so you can get great service no matter where you are.



ENGINE MAINTENANCE INTERVALS

Maintenance item	Miles/kilometers	Hours	Months
Oil and filter*	Up to 50,000 mi/80,000 km	1,500	18
Fuel filter	Up to 50,000 mi/80,000 km	1,500	18
Overhead adjustment	150,000 mi/240,000 km	5,000	48
DEF filter	200,000 mi/320,000 km	6,500	-
Particulate filter cleaning	200,000 mi/320,000 km	6,500	-

Crankcase ventilation filters are maintenance free.

*With a 19 quart oil pan. Maintenance intervals duty cycle dependent. Consult your Operation Maintenance Manual for more information.



**EXPERIENCE UNMATCHED POWER.
EXCEL WITH THE L9.**

For more information, please visit cummins.com.



Cummins Inc.
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Columbus, IN 47202-3005
U.S.A.

cummins.com

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DETROIT™ DD13 ENGINE

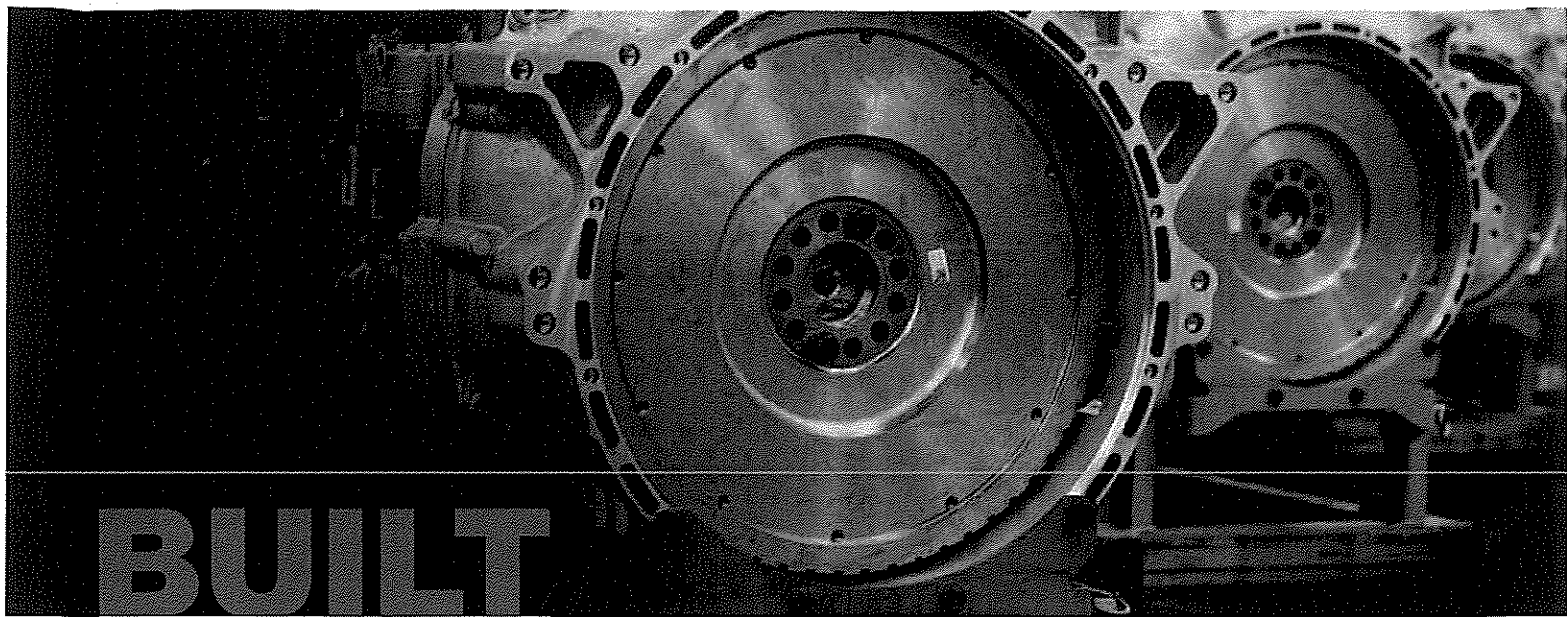
FROM
350-505
Horsepower

FROM
1250-1850
lb-ft Torque

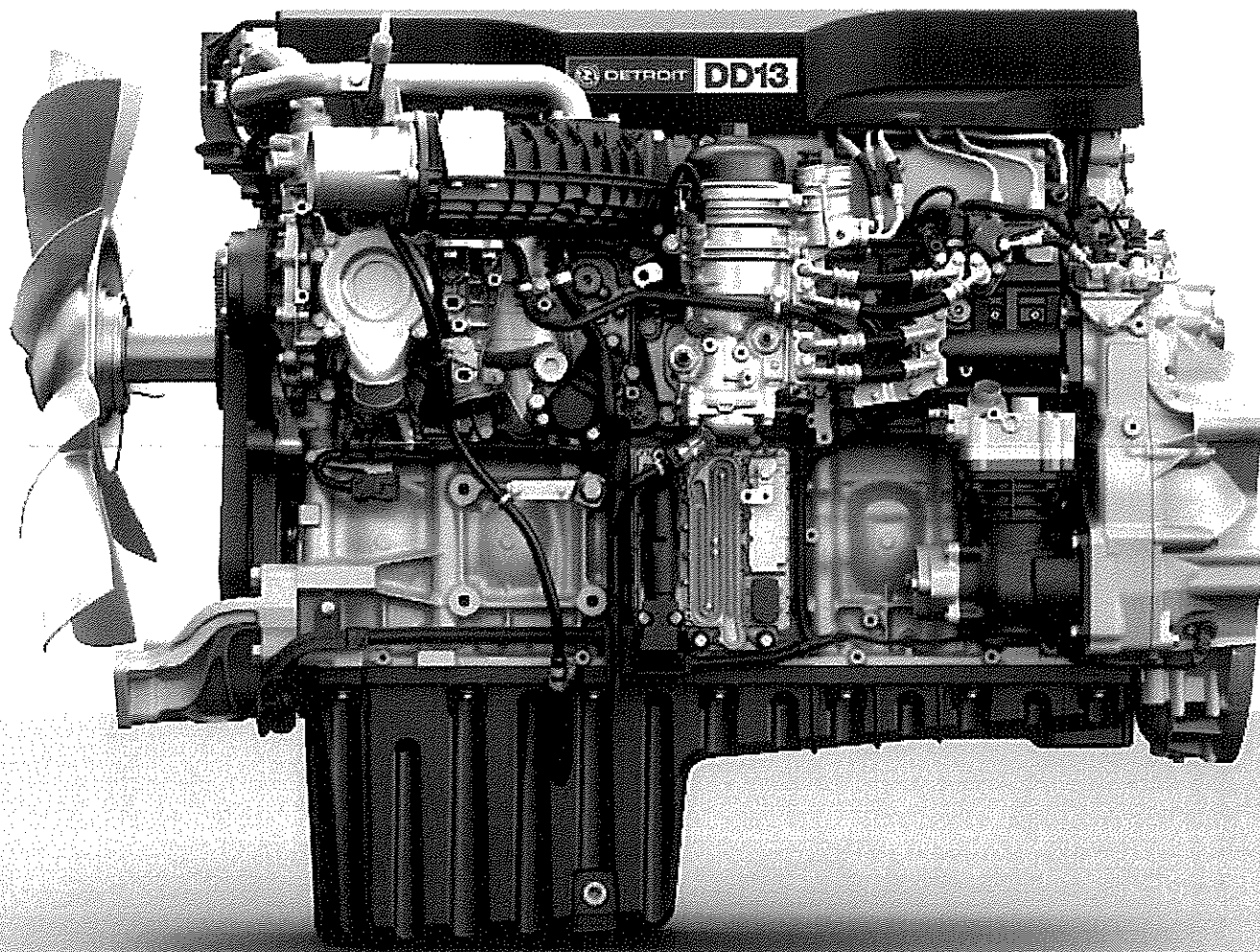
DISPLACEMENT
12.8
Liters



DETROIT
DEMAND PERFORMANCE™



**BUILT
FOR YOUR
BOTTOM LINE**



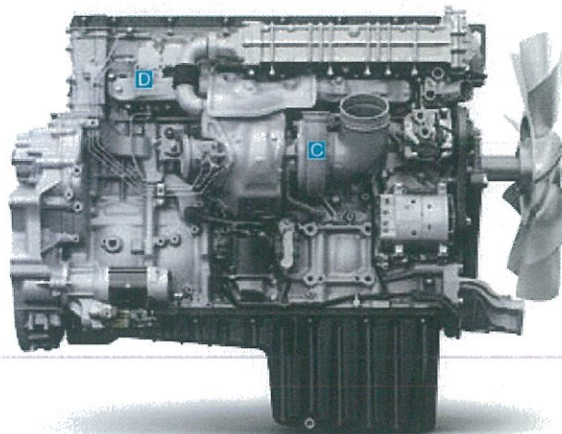
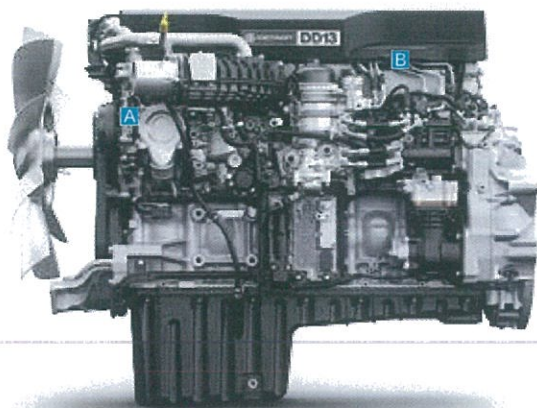
ECONOMY

DETROIT ENGINEERS CONTINUE TO DELIVER GREATER FUEL ECONOMY THROUGH INNOVATION. **THIS DD13 ENGINE IS BETTER THAN EVER.**

The fuel-efficient design makes the most of every gallon with the 2nd Generation Amplified Common Rail System (ACRS™) that optimizes each injection event to minimize fuel consumption. Available exclusively in Detroit engines, ACRS works in unison with our DDEC® electronic engine controls to deliver the exact amount of fuel you need at the right moment, creating an optimal combustion event. All that work fine-tuning combustion means lower emissions, less engine noise and vibration, and less wasted time stopping at the pump. Everything, right down to the advanced cooling system that decreases fan on-time, was designed to minimize fuel consumption.

WE'VE MADE SEVERAL IMPROVEMENTS TO THE DD13, INCLUDING:

- An optional **variable-speed water pump [A]** controls flow, based on engine speed and coolant temperature for reduced load on the engine and improved fuel economy.
- The **2nd Generation Amplified Common Rail Fuel System (ACRS) [B]**, which enables higher injector pressure and optimized combustion control, delivering the exact amount of fuel you need at the right moment.
- Made in Detroit, the **proprietary asymmetric turbocharger [C]** reduces weight and complexity while contributing to improved performance.
- A **friction-optimized piston design [D]** contributes to improved fuel economy and reduced oil consumption.

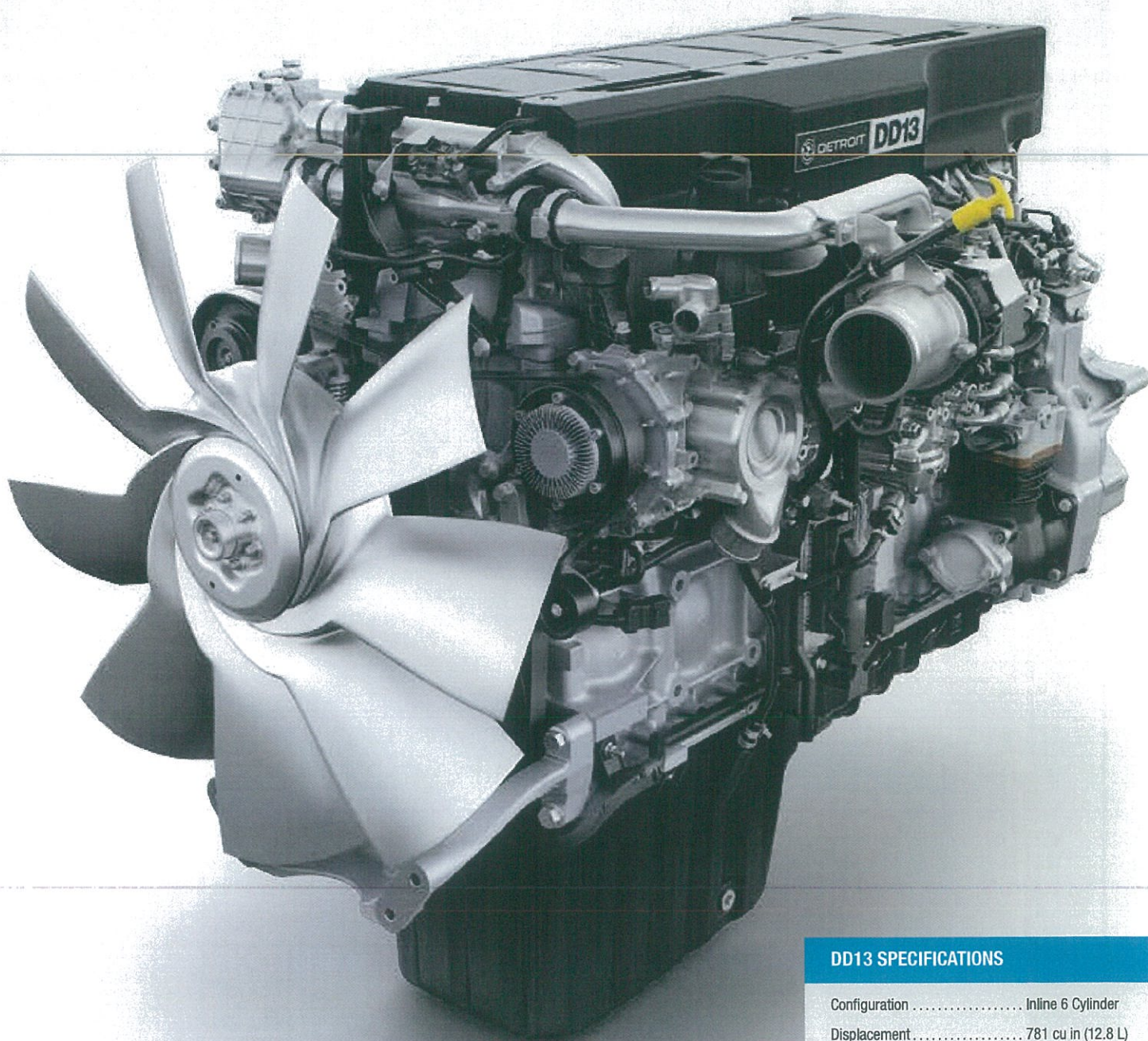


OPTIMIZED DRIVETRAIN EFFICIENCY

When it comes to maximizing the return on your Detroit-powered drivetrain, vehicle gearing is an important thing to consider. Spec'ing the right axles also is a critical factor in the fuel economy equation. To get the most out of each gallon of fuel, simply consult your local Detroit representative. Our engine experts and vast support network will ensure you get the perfect engine and drivetrain combination to meet your needs. With the Detroit Spec Manager tool, we'll analyze your specifications and make sure that all performance and economy needs are not only met, but exceeded.

Here's what you can expect for typical on-highway tractor-trailer applications of 80,000 lb. or less.

- For maximum fuel economy at typical cruise speeds, gear for an engine speed of 1300 RPM.
- When you need extra performance, gear for an engine speed of 1400 RPM at 65 mph.
- For gearing recommendations specific to heavy-haul or vocational applications, please consult your local Detroit representative.



DD13 SPECIFICATIONS

Configuration	Inline 6 Cylinder
Displacement	781 cu in (12.8 L)
Compression Ratio	18.4:1
Bore	5.20 in (132 mm)
Stroke	6.15 in (156 mm)
Weight (Dry)	2487 lb (1128 kg)
Electronics	DDEC®
Service Fill (Oil & Filter Change) ..	40 qt (38L)
Horsepower Range	350-505
Torque Range	1250-1850 lb-ft
Rear-Engine Power Take-Off	Optional

**ENHANCED FUEL ECONOMY FOR A
LOWER REAL COST OF OWNERSHIP.™**

TECHNOLOGY

THE BEST ENGINES HAVE THE BEST TECHNOLOGY. DETROIT INNOVATION BENEFITS OUR CUSTOMERS AND LEADS THE INDUSTRY FORWARD.

VIRTUAL TECHNICIAN

Detroit Connect, a suite of proprietary connected vehicle solutions, is designed to improve your bottom line. Detroit Connect provides fleets and owner-operators services and tools to improve uptime, fuel efficiency, safety, and performance. These tools provide them information about their vehicle they can't get anywhere else to better manage their business operations.

The Detroit Connect Virtual Technician™ integrated remote diagnostic system takes the guesswork out of engine repair. When a truck's check engine light illuminates, data is collected immediately, providing a technical snapshot of the engine's status before, during and after a fault code event. This information is sent to you and to the Detroit Customer Support Center (CSC), where a trained representative can diagnose the issue, recommend service and even contact the nearest authorized locations with parts in stock. The CSC can tell you if you need to pull over so you don't cause further damage, or if you can stay on the road. Put simply, it's like having a technician in every truck.

DDEC

Detroit DDEC® is a suite of innovative features that allow you to better manage fuel economy, engine performance, driving efficiency and maintenance. You can utilize this technology to better control speed, assist in passing, optimize idle efficiency and even reward your drivers for reaching fuel economy targets. With DDEC, there are also several options available to fleet managers that will help drivers better control engine idling, shifting techniques and aftertreatment management. To learn more, contact your local Detroit dealer, distributor or representative.

POWER TAKE-OFF (PTO)

The DD13 also offers rear-engine power take-off as an option for certain applications.

- DD13 PTO provides power while the vehicle is moving or stationary. The REPTO flange, an integral part of the flywheel housing, receives power through the gear train and does not depend on the transmission to receive its power.
- The DD13 is also available with FEPTO.
- PTOs are used in many applications.
 - Concrete mixers
 - Vacuum trucks
 - Brick and block trucks
 - Log haulers equipped with loading cranes
 - Snow plows



COMPLIANCE

The DD13 is compliant with 2017 Greenhouse Gas (GHG17) requirements.

PERFORMANCE

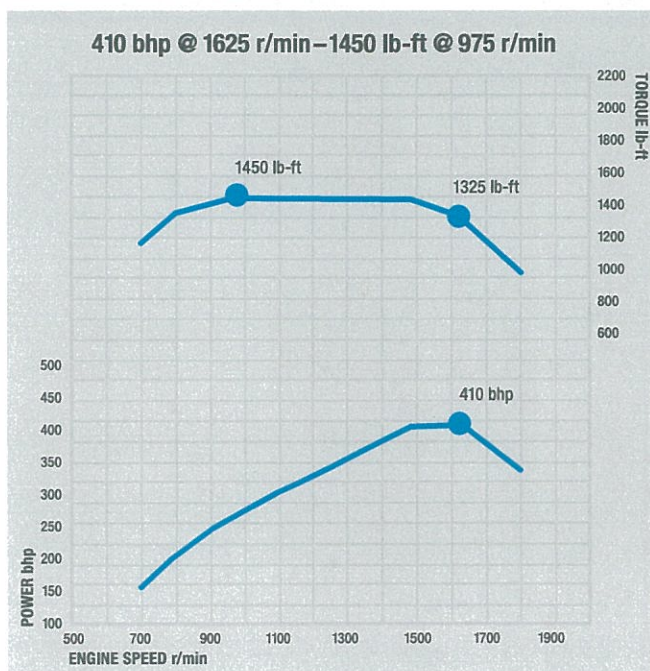
TORQUE RESPONSE IS THE KEY TO PERFORMANCE. THIS ENGINE WILL HAUL, CLIMB, PULL, MIX AND DUMP WHEN AND WHERE YOU NEED IT.

An extremely wide and flat torque curve maintains the power to keep the driver's foot off the clutch and hands on the wheel for less shifting and fatigue.

With the DD13, drivers also will get a wider sweet spot that makes it easier to cruise along in the fuel-saving range. So, whether you're navigating traffic or maneuvering through a construction site, the DD13 delivers great fuel economy. A three-stage integrated Jacobs® engine brake gives you more stopping power and quieter engine braking than ever before. And, thanks to its exceptional braking power, the Jake Brake also extends the service brake life.

The DD13 design is based on a sturdy rear gear train and ribbed cast iron block to minimize noise, vibration and harshness (NVH). The robust design provides a B50 life of one million miles. And, the proprietary, asymmetrical turbocharger has fewer moving parts than a VGT design, which improves performance and reliability. The turbocharger also applies constant back-pressure to efficiently enable the EGR system, all of which add up to a dependable engine that gets drivers where they need to go, and makes work seem a little less like work.

Horsepower and Torque Curve



Power Ratings

DD13 Engine Power Ratings	
350 HP @ 1625 RPM	1350 lb-ft @ 975 RPM
370 HP @ 1625 RPM	1250 lb-ft @ 975 RPM
380 HP @ 1625 RPM	1450 lb-ft @ 975 RPM
410 HP @ 1625 RPM	1450 lb-ft @ 975 RPM
410 HP @ 1625 RPM	1550 lb-ft @ 975 RPM
410 HP @ 1625 RPM	1650 lb-ft @ 975 RPM
435 HP @ 1625 RPM	1550 lb-ft @ 975 RPM
450 HP @ 1625 RPM	1550 lb-ft @ 975 RPM
450 HP @ 1625 RPM	1650 lb-ft @ 975 RPM
470 HP @ 1625 RPM	1650 lb-ft @ 975 RPM
505 HP* @ 1625 RPM	1850 lb-ft* @ 975 RPM
DD13 Engine Multi-Torque Power Ratings	
410 HP @ 1625 RPM	1450/1650 lb-ft @ 975 RPM

*Snow Plow, Fire and Emergency Only

SERVICEABILITY

GETTING YOUR ENGINE SERVICED QUICKLY AND EASILY CAN MAKE A POSITIVE IMPACT ON YOUR REAL COST OF OWNERSHIP.

The DD13 can go up to 50,000 miles between oil drain, oil filter and fuel filter changes. That's the longest scheduled maintenance interval in its class. And better yet, it's easy to keep an eye on those important maintenance items like the cartridge-style filters, which are conveniently located above the frame rails along with the oil fill. This makes it easy to replace the filters when it's time and to get you back on the road quickly.

When you need genuine parts and expert service, the Detroit support network will get you back on the road fast. The DD13 drives down your cost of ownership at every turn, sharing service procedures and many of the same parts as the DD15. And you are supported by the network: hundreds of authorized service outlets, an award-winning technician training program, an extensive parts distribution network and expert engine support from our technical support center. Detroit combines all this to give you the genuine parts and expert service you need to succeed.

FACTORY-BACKED WARRANTY

Detroit engine owners enjoy comprehensive warranty coverage, including a fast, hassle-free process and expedited parts and service for critical downtime situations.

Standard Warranty

Item	Warranty Limits (Whichever Occurs First)		Repair Charge (Paid by Owner)	
	Months	Miles/ Kilometers	Parts	Labor
Engine	0-24	Unlimited	No charge	No charge
Injectors	0-24	200,000 mi 320,000 km	No charge	No charge
Upon expiration of the 24-month warranty coverage, but within 500,000 mi/800,000 km of use, the warranty continues to apply as follows:				
Major Components	25-60	500,000 mi 800,000 km	No charge	Not covered

Maintenance Intervals

Item	Mi / km / Hr†	Severe Duty	Short-Haul	Long-Haul
Engine Oil and Filter Change*	Miles	25,000	35,000	50,000
	Kilometers	40,000	55,000	80,000
	Hours	640	895	1,280
Fuel Filter Change	Miles	25,000	35,000	50,000
	Kilometers	40,000	55,000	80,000
	Hours	640	895	1,280
Valve Lash Adjustment	Miles	Adjust at 100,000, at 500,000 and then every 500,000 thereafter.		
	Kilometers	Adjust at 160,000, at 800,000 and then every 800,000 thereafter.		
Diesel Particulate Filter	A check engine light will illuminate when ash requires removal			
	Miles	390,000	400,000 to 500,000	500,000 to 550,000
	Kilometers	627,000	640,000 to 800,000	800,000 to 880,000
	Hours	10,000	10,250 to 11,000	11,000 to 11,500
DEF Pump Filter	Replace filter every 3 years or 500,000 (800,000 km) miles, whichever comes first.			

* Recommended based on using Detroit's lube oil and oil analysis program.

Severe duty is up to 30,000 annual miles and a vehicle that averages less than 5 miles per gallon (mpg).

Short-haul is between 30,000 and 60,000 annual miles and a vehicle that averages between 5.1 and 5.9 mpg.

Long-haul is over 60,000 annual miles and a vehicle that averages greater than 6 mpg.

† Miles / Hours, whichever occurs first.



THE DETROIT™ DD13® ENGINE OFFERS AN OPTIMAL BLEND OF PERFORMANCE AND EFFICIENCY. IT'S NOT ONLY RIGHT FOR THE JOB, IT'S GREAT FOR YOUR BUSINESS.

Productivity leads to profitability. Whether you're on the road or at a job site, it's important to operate vehicles that perform efficiently and reliably. That's precisely why Detroit builds the versatile DD13 engine with proven emissions technology.

Detroit engineers know what works. And what doesn't. That's why the DD13 follows the common base engine design of its successful big brother, the DD15® engine. This engine is everything you need and nothing you don't. In a time when economy means everything, the DD13 makes perfect sense.

Tailored specifically for LTL, regional distribution and vocational, the DD13 uses the latest in diesel engine technology to create a fuel-saving 12.8-liter workhorse. It's an ideal pairing for a variety of Freightliner trucks, including the 114SD, 122SD, Cascadia®, M2 112, as well as Western Star models like the WS 4700, WS 4800, WS 4900 and WS 5700. And the DD13 meets GHG17 certification and compliance.

LTL

LOADS VARY. PERFORMANCE DOESN'T.

You drive intra-city and intercity. Every day is different. But you can count on the DD13 to offer a smooth, efficient drive, no matter what route, pallet or load comes your way.

REGIONAL DISTRIBUTION

GO THE DISTANCE. AND BEYOND.

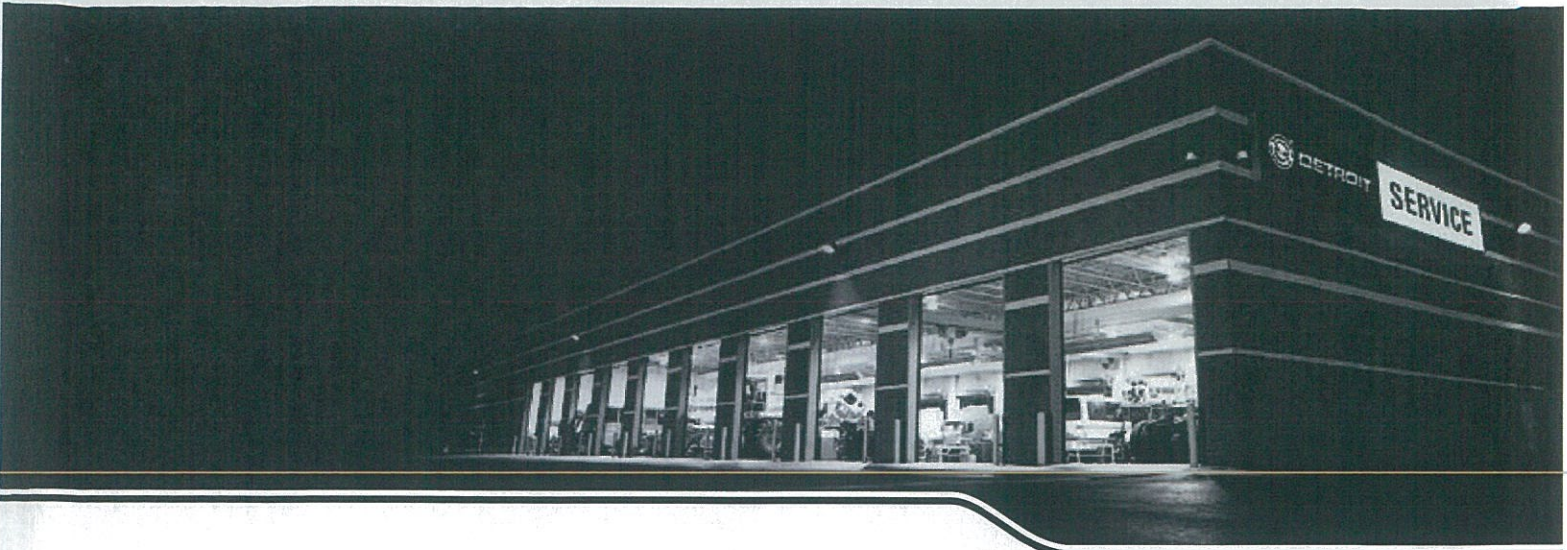
You have tight schedules to keep. The DD13 engine keeps you going with proven reliability. It's also highly efficient, so you can minimize fuel and maximize profitability.

VOCATIONAL

THE HARDER YOU PUSH, THE HARDER IT PERFORMS.

This engine is built tough. Perfect whether you're hauling, dumping or mixing. Push the DD13 to the limit. It's made to work.

THE DD13 BOTTOM LINE BENEFITS: ECONOMY, SERVICEABILITY, PERFORMANCE. DEMAND IT ALL.



DETROIT GENUINE PARTS

Authorized Detroit service outlets are staffed with factory-trained technicians who exclusively use Detroit™ genuine parts. Our technicians, graduates of our award-winning training program, know your powertrain inside and out. They're the experts who will make sure that, with normal maintenance at regular intervals, all components continue to perform at optimum power and efficiency for years to come. You can find expert technicians at hundreds of authorized Detroit service locations. Whether it's a new or remanufactured part, Detroit genuine parts precisely fit your engine, axles and transmission, giving you the performance, reliability and durability you count on from Detroit.

Detroit genuine parts are covered by a factory-backed nationwide warranty so you never have to worry about unexpected repair costs.

EXTENDED SERVICE COVERAGE

Detroit engine extended service coverage (ESC) takes care of tomorrow's costs at today's pricing, extending your factory on-highway coverage for up to five years/500,000 miles, or seven years/250,000 miles for vocational coverage. So, whether you need your engine serviced three years from now, or a major repair right now, your engine ESC helps protect your investment.

From covering basic engine components to complete coverage, including aftertreatment, our ESC packages fit your needs and your budget by providing:

- Service at hundreds of Detroit authorized service locations
- Repairs performed by certified technicians
- Unmatched availability of Detroit genuine parts
- Coverage throughout the U.S. and Canada
- Availability to purchase without a late fee for up to 12 months, or for a nominal \$400 late fee between 13-18 months
- Ability to transfer coverage to subsequent owner, enhancing resale value

**UPTIME IS MONEY. THAT'S WHY
SERVICEABILITY IS ESSENTIAL TO ACHIEVE
A LOWER REAL COST OF OWNERSHIP.**



EMPOWERED BY DETROIT

Here at Detroit, we've built our reputation by building high-quality products that perform beyond expectations. Today, you'll find our engines in Freightliner and Western Star trucks on roads and at job sites around the globe.

The secret to our success goes beyond the engines we build. Our people and our continuous pursuit of innovation are powerful driving forces. Our engineering and manufacturing expertise are world class. Our service network is expansive and responsive. That's why we continue to grow and evolve. That's also why we now offer a full line of products: engines, axles, transmissions and advanced technologies. That's right. The company that makes the heart of the truck now gives you the arms, legs and backbone to go with it. So, if you demand it all, demand Detroit.

DEMAND**DETROIT**.COM

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