

# CASCADIA



DAIMLER TRUCK

**FREIGHTLINER**<sup>®</sup>  
DRIVER DRIVEN



# FOR THE ROAD AHEAD

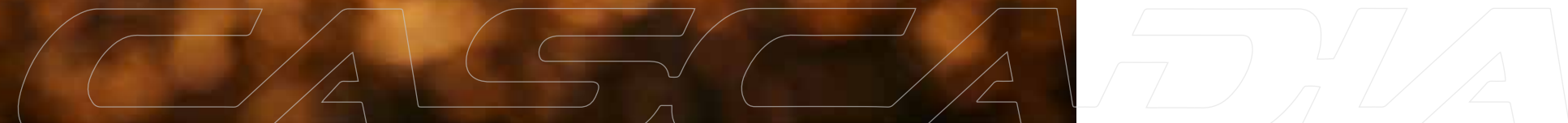


The Cascadia represents a new era in trucking for Freightliner in Australia and New Zealand. Engineered and built to Daimler's manufacturing standards with unprecedented levels of research, development and real-world testing, this is a Freightliner like none before it.

The result of sustained, concentrated investment, the Freightliner Cascadia sets new benchmarks for safety, comfort, connectivity and Real Cost of Ownership (RCO)\*.

So, for those wanting to be equipped to seize new opportunities and stay ahead of the pack, the Cascadia is here - ready and capable for what lies ahead.

\* Compared to previous Freightliner models. Real Cost of Ownership is comprised of the following six pillars: Safety, Fuel Efficiency, Uptime, Quality, Driver Experience and Connectivity.





# THE ULTIMATE DRIVER EXPERIENCE

FROM THE BUNK TO THE DASH AND EVERYTHING BETWEEN, THE CASCADIA IS DESIGNED FOR EASE OF OPERATION, OPTIMAL COMFORT AND SAFETY.

The ergonomically designed, wraparound dash allows switches to be activated without leaning and stretching. Featuring integrated controls on the steering wheel and digital gauges and displays, key information is available for the driver at a glance.

We recognise that drivers have a challenging job, so every effort has been made to make the Cascadia comfortable. That starts with a quiet ride thanks to advanced noise abatement technology.

The steering gear is set further forward for decreased bump steer and improved steering precision\*. This assists with reducing course corrections and steering inputs, as well as improving ride and handling\*.

Creature comforts are built in - with LED ambient lighting, multiple DC power outlets and extensive storage (including a wardrobe with generous hanging space, cabinets to accommodate standard appliances and a TV bracket for 24" screens). HVAC is available as an option for complete area climate control and ample bunk storage with telescoping ladder for easy access.



FUNCTIONALITY  
FOR SAFETY  
AND COMFORT



# SAFETY

There is nothing more important than ensuring the safety of all road users. That is why the Cascadia has been designed to be one of the safest vehicles on the road - featuring sloped hoods, air disc brakes and ergonomic controls.

The Cascadia is available with the Detroit Assurance® 5.0 suite of safety systems. By offering collision mitigation technology, expensive repair costs as well as operational costs incurred when a truck is out of service can be reduced^ A safer truck means you keep your drivers and your equipment on the road and working.

## THE NEW CASCADIA COMES WITH A RANGE OF DAIMLER'S ADVANCED SAFETY FEATURES INCLUDING:

ACTIVE BRAKE ASSIST (ABA) INCLUDING FULL BRAKING ON MOVING PEDESTRIAN

SIDE GUARD ASSIST (SGA)

TAILGATE WARNING

AUTOMATIC WIPERS/HEADLAMPS

INTELLIGENT HIGH-BEAM

ADAPTIVE CRUISE CONTROL (ACC)



LANE DEPARTURE WARNING (LDW)



## SAFETY FROM THE GROUND UP

From great visibility to cutting-edge technology, ergonomics and braking, we made sure that safety was central to every decision made when developing the new Cascadia.



# QUALITY TO THE CORE

## DESIGN

From the outset, Freightliner engineers considered how the Cascadia could provide customers with the lowest Real Cost of Ownership, which is comprised of the following six pillars:



These goals include designing for longer service life, fewer maintenance intervals, better fuel efficiency and improved ride quality\*

Additionally, Freightliner utilises Process Oriented Design (POD) to ensure that components can be installed in a factory environment with consistent, high quality.

## MANUFACTURING

Throughout the manufacturing process, methods are deployed to deliver the highest level of quality. We use a Coordinate Measurement Machine (CMM) to ensure that our cab structure is manufactured to the tightest tolerances for cab squareness and hole alignment. All cab painting is performed with robotics to ensure consistent paint finish. Additionally, all dash modules are tested with electrical power and air pressure prior to cab installation to ensure everything is in working order.

Direct Current (DC) tools are used throughout the manufacturing process where correct torque is essential for nut-style fasteners. These DC tools allow for tracking historical torque values down to the individual truck. A new water test is utilised that incorporates high-pressure nozzles, replicating as much as possible real-world water intrusion.

Freightliner's continuous improvement mindset means that we will have an ongoing focus on product quality and improvement for the Cascadia.

\* Compared to previous Freightliner models.



^ The Detroit Assurance safety systems aim to assist with mitigating risks of collision and thereby assist with minimising related repair and operational costs but cannot overcome the forces of nature and it is the driver's responsibility to ensure the safe operation of the vehicle in accordance with the relevant operation manual and all applicable laws and regulations.



# TESTING IN AUSTRALIA

**THE NUMBER ONE SELLING HEAVY-DUTY TRUCK IN THE UNITED STATES HAS ARRIVED IN AUSTRALIA\*.**

It is already great, but the unprecedented level of investment that we have and will continue to make in local engineering and testing will ensure the new Freightliner Cascadia is the best truck we have ever built for Australia.

Validation testing has always been a critical and ongoing process.

In connection with Daimler Trucks North America, we have built numerous prototypes to test new components and systems in Australia, while also simulating millions of road kilometres with cold chamber and hot room sessions to ensure effective operation in extreme temperature conditions.

**OVER 1,000,000KM  
OF LOCAL AND  
INTERNATIONAL  
TESTING**





# UPTIME

A truck that's down, even for routine maintenance, is unproductive and costly. When you are building your business and aiming to grow your bottom line, choose a truck that assists with maximising your uptime. Choose the Cascadia.

With input from global Daimler resources, Freightliner engineers designed components and systems to help reduce failures and cut down repair time, aimed at getting your truck back on the road quickly and efficiently.

## KEEP YOUR CASCADIA ON THE ROAD

Freightliner designed the Cascadia to be accessible for qualified technicians to repair, helping to minimise the amount of time your truck has to spend in the service bay.

## SERVICE NETWORK

When a service is required, the authorised Freightliner Dealer network across Australia and New Zealand is ready to help. Our authorised Dealer network has trained technicians ready to service your Cascadia and get you back on the road.

With over 60 service points across Australia and New Zealand, you'll be able to find the service and assistance you need to help maximise your uptime and keep your Cascadia moving†

† Authorised Dealership operating hours may vary. Please check with your preferred authorised Dealer to confirm hours of operation.



# FUEL EFFICIENCY

## BUILDING YOUR BOTTOM LINE

Building your bottom line begins with reducing how much you are spending on fuel. With the Cascadia, Freightliner has pushed fuel efficiency even further by focusing on aerodynamic and powertrain improvements\*.

## SLICE THROUGH AIR

To assist with maximising the performance of the Cascadia, Daimler engineers used Computational Fuel Dynamics (CFD) and Daimler Trucks North America's proprietary wind tunnel – the only full-scale OEM owned-and-operated wind tunnel in North America to test, modify and optimise vehicle aerodynamics.

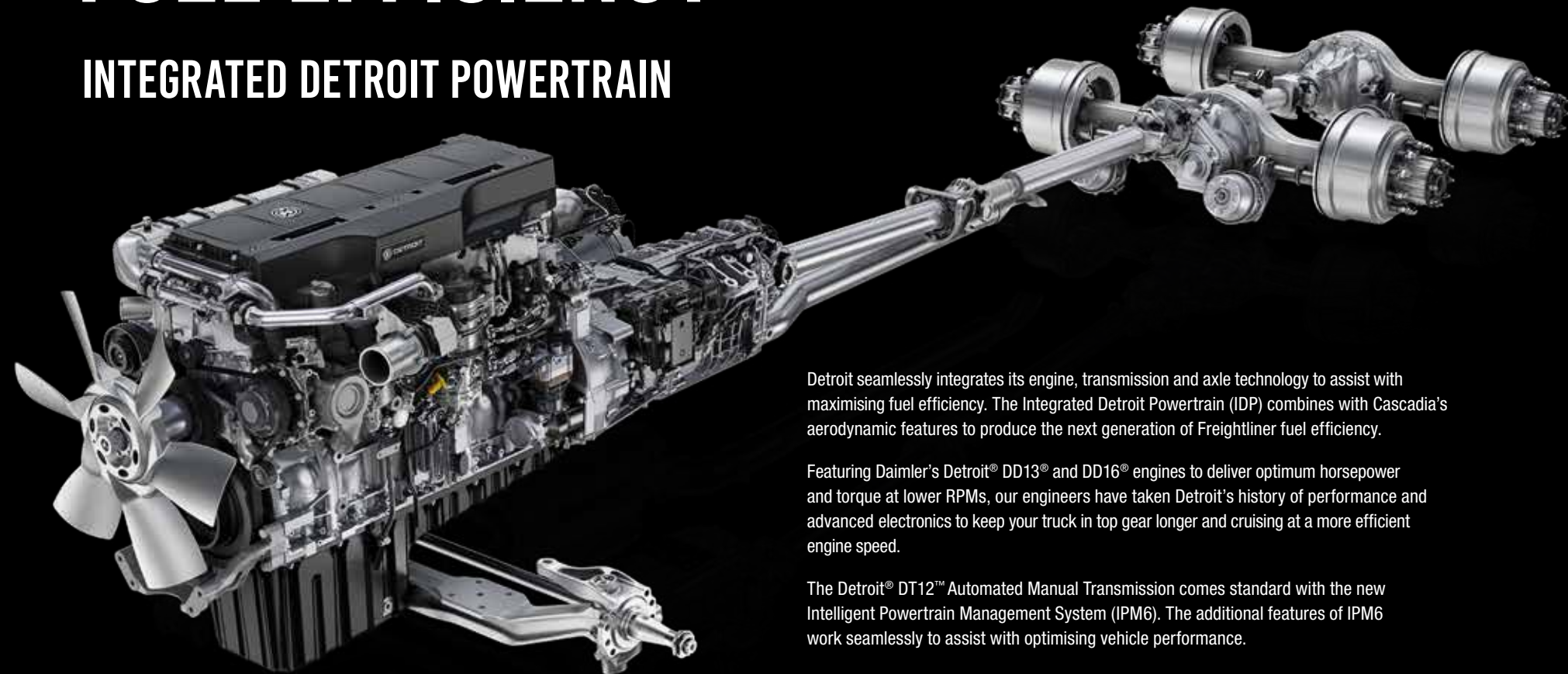
\* Compared to previous Freightliner models.





# FUEL EFFICIENCY

## INTEGRATED DETROIT POWERTRAIN



Detroit seamlessly integrates its engine, transmission and axle technology to assist with maximising fuel efficiency. The Integrated Detroit Powertrain (IDP) combines with Cascadia's aerodynamic features to produce the next generation of Freightliner fuel efficiency.

Featuring Daimler's Detroit® DD13® and DD16® engines to deliver optimum horsepower and torque at lower RPMs, our engineers have taken Detroit's history of performance and advanced electronics to keep your truck in top gear longer and cruising at a more efficient engine speed.

The Detroit® DT12™ Automated Manual Transmission comes standard with the new Intelligent Powertrain Management System (IPM6). The additional features of IPM6 work seamlessly to assist with optimising vehicle performance.

### THE INTEGRATED DETROIT POWERTRAIN FEATURES:

- Detroit DD13® or DD16® Engine
- Detroit® DT12™ Automated Manual Transmission (AMT)
- Intelligent Powertrain Management (IPM6)

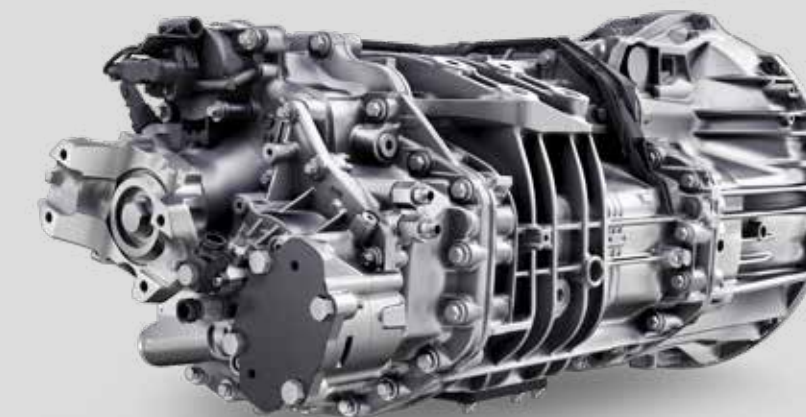
\* Compared to previous Freightliner models.

INTEGRATED DETROIT POWERTRAIN

## DETROIT DT12 AUTOMATED MANUAL TRANSMISSION

With millions of kilometres under its belt, the Detroit DT12 Automated Manual Transmission has performed in a range of environments. The latest generation DT12 product upgrades build on that performance using technology to electronically select the ideal shift patterns to assist with providing optimal power and fuel efficiency.

The DT12 also features optimised gearing for increased torque, improved low-speed manoeuvrability and down-speeding capability, a new oil pump and sump for better oil flow and reduced parasitic loss, as well as PTO options\*.



DETROIT DT12 AUTOMATED MANUAL TRANSMISSION

## FEATURES OF IPM6

### ENGINE LOAD BALANCING

Engine holds constant torque to minimise unnecessary engine load.

### PREDICTIVE ADAPTIVE CRUISE CONTROL

Combines Predictive Cruise Control (PCC) and Adaptive Cruise Control (ACC) to use kinetic energy and minimise brake usage.

ENGINE	POWER	TORQUE	DISPLACEMENT
Detroit® DD13®	450hp @ 1625 RPM	1650 lb-ft @ 975 RPM	(12.8 L)
	470hp @ 1625 RPM	1650 lb-ft @ 975 RPM	
	505hp @ 1625 RPM	1850 lb-ft @ 975 RPM	
Detroit® DD16®	500hp @ 1800 RPM	1850 lb-ft @ 975 RPM	(15.6 L)
	530hp @ 1800 RPM	1850 lb-ft @ 975 RPM	
	560hp @ 1800 RPM	1850 lb-ft @ 975 RPM	
	600hp @ 1800 RPM	2050 lb-ft @ 975 RPM	



\* Compared to previous Freightliner model transmissions.

# CONNECTIVITY MADE EASY

The Detroit™ Connect suite of connected vehicle services is your trusted source for insights about your vehicle's performance and can assist with providing the information that you need to make the right decisions for your business.

With Cascadia, the Detroit™ Connect services are delivered via a proprietary online connectivity portal. This portal allows for remote updates and assists with gaining access to a rich amount of data.

## DETROIT CONNECT FEATURES:



DETROIT™ CONNECT VIRTUAL TECHNICIAN



DETROIT™ CONNECT REMOTE UPDATES



DETROIT™ CONNECT ANALYTICS



DETROIT™ CONNECT PORTAL

These services translate complicated vehicle performance data into actionable intelligence, putting the power of connectivity into your hands. New Cascadia trucks come standard with a complimentary five-year Detroit™ Connect service subscription#, which includes virtual technician, remote updates, analytics and access to the Detroit™ Connect portal.

Fleets supported by the Detroit™ Connect portal have direct access to critical information such as vehicle location, fault codes and diagnostics, fuel performance, safety data and driver behaviour insights. This portal is fully configurable and customisable, so customers can select which data sets they want to see and how frequently they would like that data made available.



# CABIN SPECIFICATIONS AND SIZES

## CASCADIA 116 DIMENSIONS

CAB TYPE	BBC (MM)	CAB HEIGHT (MM)
DAY CAB	2,970	3,030
36" XT	3,670	3,455
48" XT	3,970	3,455



CASCADIA 116 DAY CAB

## CASCADIA 126 DIMENSIONS

CAB TYPE	BBC (MM)	CAB HEIGHT (MM)
DAY CAB	3,220	3,030
36" XT	3,920	3,455
48" XT	4,220	3,455
60" XT	4,520	3,455
60" RR	4,520	4,075



CASCADIA 126 60" RR



# FREIGHTLINER CASCADIA DRIVER TRAINING PROGRAM

The Freightliner Cascadia driver training program allows you to extensively explore your vehicle's capabilities. Specifically designed around the six pillars of Cascadia Real Cost of Ownership, the program will deliver a range of benefits to ensure you take full advantage of your vehicle's outstanding feature content.



## PROGRAM DETAILS

<b>VENUE</b>	Customer premises or selling dealership
<b>DURATION</b>	1 (one) day
<b>DELEGATES</b>	Maximum of 4 (four) people
<b>COST</b>	Complimentary with new vehicle deliveries*
<b>FORMAT</b>	In classroom and within vehicle
<b>TARGET</b>	Drivers holding HR, HC or MC licences
<b>VEHICLES</b>	To be supplied by the customer
<b>OBJECTIVES</b>	<ul style="list-style-type: none"> <li>• Highlight the key driver experience, safety and fuel efficiency elements</li> <li>• Understand the key principles of safe and economic driving</li> <li>• In-depth understanding of all the vehicles features</li> <li>• Understand the various features of the vehicle that can assist the driver</li> <li>• Clearly demonstrate the key benefits of driving the Cascadia</li> </ul>
<b>COURSE CONTENT</b>	<ul style="list-style-type: none"> <li>• Classroom presentation with interactive content</li> <li>• Overview of gearshift, braking and safety systems</li> <li>• Review of cruise and limiter functions</li> <li>• Dashboard tour</li> <li>• Seven point vehicle walk-around and driver vehicle checks, including in-cab tour</li> <li>• Instructed drive including practical overview gearshift, braking and safety systems, cruise and limiter functions</li> </ul>

\* Valid for bookings made within 3 months of delivery date of vehicle.  
 \* Driver training program details are subject to further terms and conditions.  
 Please contact your preferred authorised Freightliner Dealer for further information



# ALLIANCE TRUCK PARTS AND DAIMLER FINANCIAL SERVICES

## ALLIANCE TRUCK PARTS

Alliance Truck Parts partners with some of the best, most respected brands in the transport industry, offering an affordable alternative to original first fit parts, representing great value for money without compromising quality.

With a reliable range of new and remanufactured all makes parts and accessories, Alliance Truck Parts help keep trucks and trailers remain where they should be, on the road.

## DAIMLER TRUCK FINANCIAL

No financier understands your business better than Daimler Truck Financial.

As the dedicated finance provider for Daimler Truck and Bus Australia, our priority is financing Freightliner trucks.

Our extensive experience and knowledge in the commercial vehicle industry, combined with our position as an exclusive commercial finance provider, make Daimler Truck Financial the smart choice for anyone looking to run their business more efficiently and profitably. Choose from a wide variety of financial products tailored to your business requirements. To find out more about our range of financial solutions, please speak to your Business Manager today°.

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# TALK TO YOUR DEALER TODAY.



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