



 **KENWORTH**

# C509

# Built for the hard yards and extra miles



C509



The Australian Outback serves up some of the harshest and most remote operating conditions on the planet, and when you're on your own out there, you can't afford to take risks. For more than 50 years Kenworth has been engineering unique transport solutions to not only survive but thrive in these environments.

Designed to tackle 300-plus tonne gross combination loads, and temperatures of higher than 50 degrees Celsius, on unmade, corrugated and often unreliable roads, the C509 is engineered to be rugged, while designed to be simple. The front axle is optimised for better weight distribution and the integral power steering mounted ahead of the front axle to provide maximum steering angles.

Australian design expertise and high-quality materials place the C509 at the head of the field.

# The heavy hauler

With features designed to provide years of trouble-free service, the C509 proves itself daily in some of the roughest and toughest environments on earth.

With a traditional full-length bonnet, the C509 features a straight front frame, providing for a large radiator and long-range high-performance engine. Available in 6x4 and 8x6 configurations and a variety of sleeper options, the C509 has higher capacity front axles, steering and suspension for the most arduous road conditions.

To suit your needs, Kenworth trucks offer customised wheelbases and frame layouts, optimised for maximum fuel capacity, durability and provision for auxiliary frame mounted equipment. Together with the frame layout Kenworth offers an extensive range of fuel tanks for a variety of applications. Polished aluminium tanks are standard for weight saving, or you can select painted steel tanks for more demanding applications.

The C509 can be configured for very high GCM in mining and off-road applications including remote road train, heavy haulage and mine service operations. Whether you are towing a single trailer around town, hauling a multi-combination across country or operating to a unique performance-based standard, Kenworth's team of local engineers and local manufacturing can build you the right truck for your application. Performance, comfort and safety come together in the C509, the most durable truck on or off the road.



C509

# Engine and Drivetrain

Built tough to get the job done, you can rely on the C509 to deliver performance without compromise across a diverse range of heavy-duty applications.

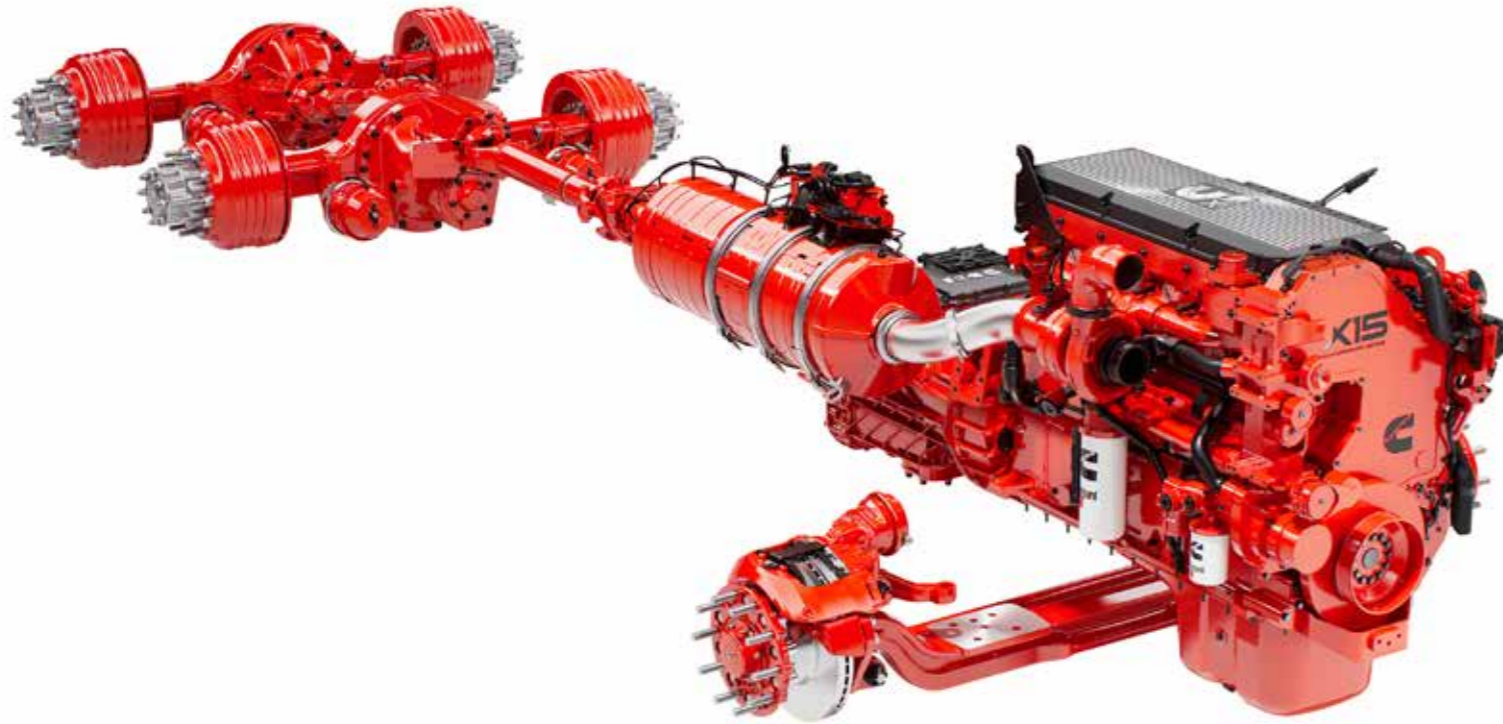
Optimised for the Cummins X15 Euro VI engines and available in a range of horsepower and torque ratings up to 625 hp and 2,050 lb-ft of torque, you have flexibility suitable for both manual and automated transmissions for vocational, heavy-haul and line-haul applications. Delivering not just power and driveability, the durability of the X15 is assured using proven hardware while continuous improvements have resulted in reliability that gives you peace of mind on the road.

Power meets precision with the Cummins X15 Euro VI engine in the C509, paired with your choice of the Eaton Fuller 18-speed manual transmission, continuing to set the benchmark for generations, or the Eaton UltraShift PLUS 18-speed automated transmission, allowing drivers to focus on productivity, safety, and getting the job done right.

Engineered for maximum productivity in demanding heavy-duty operations, UltraShift PLUS transmissions help keep Kenworth vehicles moving longer with less downtime. Enhanced shift strategies reduce drivetrain shock and minimise component wear under heavy load, supporting smoother operation and consistent power delivery when the terrain demands it.

Advanced engine management technology works seamlessly with the UltraShift PLUS transmission to deliver improved fuel efficiency, lower maintenance costs, and a superior driving experience — setting the standard for performance and durability in heavy-duty vocational applications.

With a range of engine, transmission, driveline and suspension options designed specifically for Australian conditions, you have a trusted drivetrain solution that can be tailored to your needs and application.



## C509





# The best driver experience

The C509 cabin is designed with safety and confidence in mind, featuring a 'Daylight door' design that provides an exceptional field of vision from the driver's seat. The expansive one-piece, or optional two-piece, curved windscreen ensures a commanding view of the road ahead, offering outstanding visibility both in front and behind.

A wrap-around instrument panel facilitates easy access to controls and includes an optional adjustable steering column, complemented by a 'Smart Wheel' with fingertip controls for essential operational functions such as engine brake and cruise control. Conveniently positioned in the centre of the dashboard is an 8-inch audio visual navigation unit with smartphone mirroring, and wireless phone charging.

The overhead console is equipped with two storage compartments and additional blank panels for vehicle information displays and radios.

The cabin also boasts high-quality 'soft plush' upholstery in the classic diamond studded pattern, available in a variety of colours. A selection of premium seats further enhances driver comfort and safety. And with various sleeper options available for rest periods, you can make your C509 your own.



60" SLEEPER TRIMMED IN CRIMSON

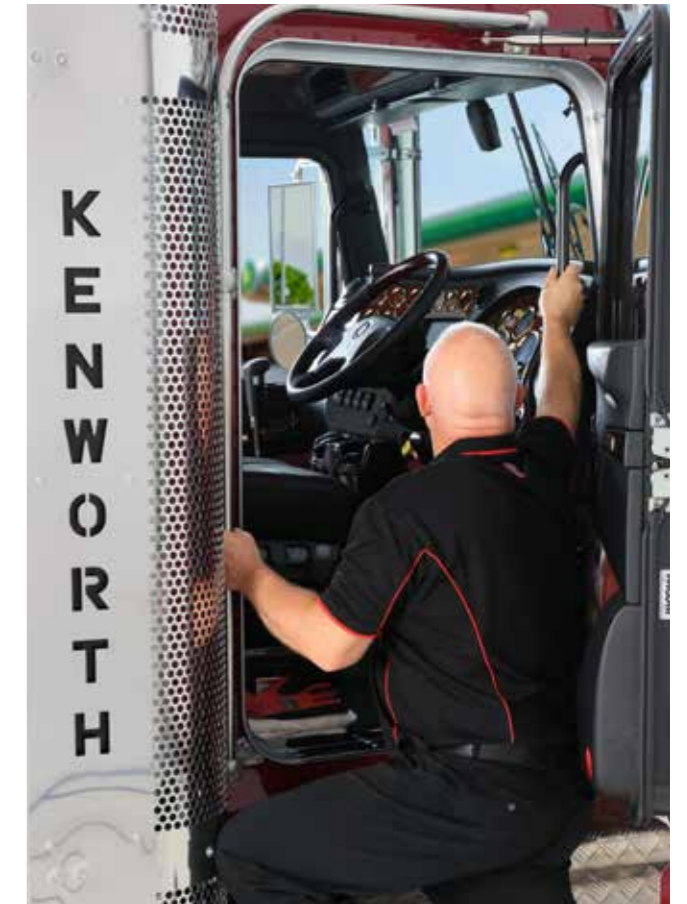


C509

# ← Safer by design



C509



We know every operator's business is unique. That's why we build trucks tailored to your specific needs, ensuring safety is not just an add-on but an integrated part of the truck.

Safety begins with design and robust construction. Featuring high-strength materials, our trucks are carefully engineered and tested to global safety standards to protect drivers in the instance of a frontal collision, rear cab impact or roll over scenario.

Operational details such as high visibility grab handles, flat floors, enhanced illumination of steps and landing areas are also critical to the driver.

Visibility is also key to safe driving. This is demonstrated not just through our cab designs, mirror selection and positioning, but all Kenworth trucks can be equipped with blind spot monitoring and optional forward, side and rear facing camera systems. Each of these features help drivers identify vehicles in blind spots and provide a comprehensive view around the truck, enhancing manoeuvrability and safety.

Active safety systems are now commonplace in road transport and are the foundation of the road safety of any vehicle.

Our advanced safety systems are meticulously optimised for Australian conditions and the tasks you undertake. Whether you're navigating rugged outback roads or a busy urban street, your Kenworth truck is equipped with the latest active safety features, seamlessly integrated to keep you safe on your journey.

These systems are complemented by the latest collision mitigation systems, including features such as lane departure warning, autonomous emergency braking and forward collision warning. Using onboard radar, cameras and sensors, these technologies are designed to maintain safe driving, by either warning the driver, or actively supporting them to avoid a collision.

Our commitment to safety extends to providing ongoing support and training, ensuring drivers are equipped to use these advanced systems effectively. With a holistic approach to safety, we empower operators to maximise the features designed to protect them and others on the road.

When you choose Kenworth, you're selecting a truck not only built for performance but designed with your safety in mind. Our comprehensive suite of safety features reflects our dedication to building trucks optimised for Australian conditions.

Contact your local Kenworth dealer to experience the confidence that comes with driving a Kenworth.



Scan the QR code to view the C509 specifications

C509



# Knowledge is power

PACCAR Connect is an advanced fully integrated digital productivity and telematics platform with the power to simplify, streamline and optimise your transport operations.

## SIMPLIFY YOUR BUSINESS

Whether you're behind the wheel, behind a desk, or in the workshop, PACCAR Connect will equip you and your team with the insights needed to make smarter decisions and work with maximum efficiency.

## OPTIMISE EVERYTHING

With PACCAR Connect you can quickly analyse the performance of your overall operation, or drill down to specific trucks. Routes across multiple vehicles and days are displayed on a single screen. PACCAR Connect makes it that simple.

## WORK SMARTER NOT HARDER

Turn the key and PACCAR Connect goes to work, constantly monitoring your truck's critical systems. Onboard fault detection is displayed on the dashboard, enabling informed, on-the-spot decision-making. Peace of mind—whatever the situation—that's what you can expect with PACCAR Connect.

## STREAMLINE COMPLIANCE

PACCAR Connect streamlines compliance by syncing critical data. It works with Gearbox to automate service scheduling, parts tracking, training, and work orders—so nothing gets missed. Integration with Logmaster provides an NHVR-accredited Electronic Work Diary (EWD) that's compliant nationwide. Real-time asset and odometer updates save time, reduce manual entry, and improve reporting accuracy.

## ENHANCE SAFETY

PACCAR Connect lets operators configure advanced safety and performance features. Triggering instant alerts for emergency braking or rollover events and syncing with to the cloud for real-time reporting, hazard prevention, and integrated compliance. Digital prestart checklists, auto-filled vehicle details, and mobile inspections make it easy for drivers to escalate issues on the go—keeping every vehicle safer and road-ready.

## AUTOMATE FUEL TAX CLAIMS

In partnership with KPMG, PACCAR Connect facilitates fuel tax credit claims using real-time data to identify on and off-road activity. Claims are pre-approved by the ATO, so refunds are processed and in your account with a minimum of fuss — a valuable feature accessible to any transport business.

## KEEP EVERYONE INFORMED

The best network just got smarter. Your Kenworth dealer now has access to vehicle data, enabling faster, better-informed roadside assistance. Minor issues can be scheduled into regular maintenance—maximising uptime for every truck.

PACCAR Connect is proven proprietary technology, available exclusively for use on Australian made Kenworths. Embedded at the time of manufacture, its unique protocols and deep integration with major vehicle systems deliver capabilities beyond those of aftermarket solutions.

# The PACCAR Network

Comprising nearly 100 locations, Kenworth has built an extensive truck dealer network across Australia, New Zealand and Papua New Guinea. The PACCAR network is renowned for its professionalism and excellence in the truck industry, and for the calibre of its comprehensive range of support services.

## PACCAR Australia

Australia's best Dealer network, supported by the Cummins branch network, ensures a Kenworth representative is always close at hand to provide expert support. The in-depth knowledge of Kenworth mechanics and the exclusive use of genuine Kenworth and PACCAR parts, maximises uptime for the life of your truck.

## PACCAR FINANCIAL

Dedicated solely to the Australian transport industry and with more than 40 years' experience, PACCAR Financial continue to support with innovative loan and lease options.



PacLease helps fleet operators achieve their business goals through short and long-term rental and leasing solutions, including value-added services like telematics, preventive maintenance, and 24/7 Roadside Assistance.



Our dedicated 1800 Roadside Assistance Service covers Australia offering 24/7 support. Simply call 1800 4 PACCAR (1800 472 222) to be connected to your nearest PACCAR Dealer.



In addition to maintaining an extensive inventory of Kenworth parts and accessories, the PACCAR Parts distribution centres provide daily deliveries to every dealership in Australia. Whatever your truck servicing requirements, we can get the parts you need, to where you need them.

For more information, scan the QR codes, contact your local dealer today, or visit [kenworth.com.au](http://kenworth.com.au)



# C509

# 15 >



[kenworth.com.au](http://kenworth.com.au)

