

C509



KENWORTH

AUSTRALIAN MADE. WORLD'S BEST.



AUSTRALIAN MADE. WORLD'S BEST.

WE KNOW BUSINESSES THAT TRANSPORT GOODS ARE AS VITAL TO AUSTRALIA'S ECONOMY AS THOSE THAT GROW, MINE OR MANUFACTURE THEM.

SO WE MAKE IT OUR BUSINESS TO BUILD THEM THE WORLD'S BEST TRUCKS.

We have some of the most demanding road conditions in the world, with many trucks in Australia travelling vast distances on corrugated roads, through billowing dust and extreme heat and humidity. From the saleyards, the forests, and the remotest of mines, to the ports, farmyards and cities, Australian trucks can haul more than three times heavier loads than trucks in other parts of the world.

To meet these challenges a truck needs to be purpose-built and tough enough to stand the test of time, while providing operators with a safe and comfortable environment. Every Australian Kenworth is designed and manufactured for its intended task and to individual customer requirements. Manufactured with uncompromising quality, Kenworths work harder for longer, offering strength, durability and reliability.

To be Australian Made. World's Best, we cover millions of kilometres in challenging conditions. We test the chassis, cooling, brakes and suspension and every other component to the limit, so each truck meets our strict quality guidelines and the needs of our customers.

Designed and manufactured in the Melbourne suburb of Bayswater since 1971, supported by PACCAR's global strength and services, and with the backing of an extensive dealer network throughout Australia, New Zealand and Papua New Guinea, we have you covered.

KENWORTH, DELIVERING THE RIGHT TRUCK FOR YOU AND YOUR ENVIRONMENT.



**TAILORED
TO SUIT
YOUR NEEDS**



HEAVY HAULER FOR ALL CONDITIONS



DURABLE AND TOUGH

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

Supreme performance, comfort and safety come together in the C509, one of the most durable trucks on or off the road.



C509

ON AND OFF ROAD PERFORMER

WWW.KENWORTH.COM.AU/TRUCKS/C509



**RUGGED
RELIABLE
TOUGH**



RUGGED DURABILITY

With a traditional full length bonnet, the C509 features a straight front frame, enabling room 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.

CHASSIS FRAME LAYOUT

To suit your needs, Kenworth trucks offer customised wheelbases and frame layouts. We can optimise the frame layout design for maximum fuel capacity, durability and provision for auxiliary frame mounted equipment.

FUEL TANKS

Together with the frame layout we have an extensive range of fuel tanks for a variety of applications. Polished aluminium tanks are standard for weight saving, or you can select steel tanks for more demanding applications.

POWERTRAIN

The C509 is powered by the Cummins X15 Euro 5 engine available in a range of horsepower and torque ratings up to 600 hp and 2050 lb-ft. The X15 features Advanced Dynamic Efficient Powertrain Technology (ADEPT) – a suite of electronic features that interact with Eaton automated manual transmissions, dynamically adapting to operating

conditions to enhance fuel economy with no impact on productivity. Manual transmissions are also available in the C509.



C509



BUSINESS CLASS

SOFT TRIM INTERIOR

Sandstone

Shiraz

Crimson

Mariner Blue

Charcoal

HARD TRIM INTERIOR

Sandstone

Charcoal



WORLD'S BEST REST STOP



MAXIMISING COMFORT AND CONTROL

Stepping into the cab, the Daylite door design promotes safety and confidence with an excellent field of vision from the driver's seat of both sides of the vehicle and the rear view mirrors.

The large one-piece or optional two-piece curved windscreen, offers a commanding view of the road ahead with excellent all round visibility.

A wrap-around instrument panel allows easy access to controls and features an optional adjustable steering column and a "Smart Wheel" with fingertip controls, for vital operating functions including engine brake and cruise control.

The overhead console includes two storage compartments with provision for vehicle information displays and radios.

The cab interior features high quality "soft plush" upholstery in the traditional studded pattern, available in a choice of colours. And a range of premium seats, further enhance driver comfort and safety.

With a selection of sleeper options to utilise during rest periods, you can make full use of the cab using the wrap-around privacy curtain.



C509

SAFETY BY DESIGN



WHEN IT COMES TO RIDING THE ROAD, SAFETY ISN'T JUST ONE MORE THING TO THINK ABOUT - IT'S EVERYTHING

At Kenworth, protecting the driver, vehicle, payload, and other road users against unexpected hazards has always been a paramount consideration. Safety is built into every truck through Application Engineering, a design approach that also delivers optimal payloads, reliability and productivity.

Aside from providing the optimal drivers' environment to aid with vehicle control, Kenworth interiors combine classic Kenworth styling with the highest standards of cab ergonomics and safety, further minimising driver distraction. The wrap-around dash provides an unobstructed view of gauges and easy access to vital switches and controls. Smart Wheel fingertip access for engine brake and cruise functions deliver further driver confidence, comfort and control.

Kenworth Electronic Brake Safety Systems (EBSS) further enhance vehicle control and accident avoidance, with a comprehensive list of options available. These include Bendix Electronic Stability Control, Wingman Fusion™ technology incorporating Active Cruise Control with Braking, Collision Mitigation with Autonomous Emergency Braking (AEB) and Lane Departure Warning.

Optional items to even further safeguard driver well-being include:

- High visibility grab handles and seat belts
- Enhanced illumination of step and landing areas, increasing visibility
- Ground based fluid check

AN ONGOING COMMITMENT TO INNOVATION AND SAFETY

Kenworth's commitment to ongoing research, design and engineering capability demonstrates our flexibility in adapting new technologies as they come to the fore.

Kenworth tests numerous advancements to identify and incorporate into production the best innovations to improve safety, environmental performance and productivity.



KENWORTH ELECTRONIC BRAKE SAFETY SYSTEMS (EBSS)

ANTILOCK BRAKING SYSTEM (S)

ABS

Prevents wheel lock-up when the vehicle is over braked, often reducing stopping distances. Vehicles can retain directional stability and steerability even under emergency braking on slippery road surfaces. ABS also reduces the danger of jackknifing in the case of vehicle combinations.

DRAG TORQUE CONTROL (S)

DTC

Prevents the driven wheels from compression locking on a slippery surface by raising engine revs to assist with vehicle stability.

AUTOMATIC TRACTION CONTROL (S)

ATC

Prevents wheel spin under acceleration as the drive torque exceeds the drive tyres to road surface adhesion. The ATC system communicates with the engine ECU to reduce engine power or will apply the brake to the drive wheels depending on the low traction event.

HILL START ASSIST (O)

HSA

Prevents the truck from rolling back on steep grades, providing a consistent and controlled launch. Only available with Eaton UltraShift® PLUS Automated Transmission.

ACTIVE CRUISE BRAKING (O)

ACB

Helps assist with accident avoidance, by using on-board computers and radar to engage the engine and wheel braking systems if other vehicles on the road enter unsafe distances from the truck.

TRAILER RESPONSE MANAGEMENT* (O)

TRM

Electronic trailer brake actuation (for EBS compatible trailers only) for improved trailer braking response to assist with reduced stopping distances.

ELECTRONIC STABILITY PROGRAM (O)

ESP

Helps to restore vehicle stability through the use of ABS, ATC and steering direction in the prevention of rollovers and jackknifing. Steering angle, yaw, suspension pressure and brake application pressure sensors monitor the intended vehicle directional control versus actual vehicle movement. ESP intervenes by applying individual wheel brakes, or reduced engine torque when required to enhance vehicle stability. The system is compatible with multi trailer combinations.

COLLISION MITIGATION SYSTEM WITH AEB (O)

CMS

When a forward moving or stationary vehicle enters an unsafe driving distance from the truck, the system utilises audible and visual alerts to warn the driver and if necessary applies the brakes to mitigate an imminent collision. This functionality operates whether cruise control is activated or not.

LANE DEPARTURE WARNING (O)

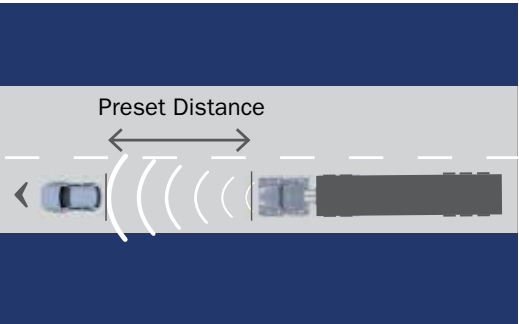
LDW

The LDW system detects when a vehicle drifts across a lane marking. When this occurs and the turn signal is not activated, the unit automatically emits an audible warning, alerting the driver to make a correction. It gives drivers the ability to combat lane drift related to fatigue, distractions and unfavourable weather conditions, working effectively both day and night and in most weather conditions, like rain or fog, where visibility is limited.

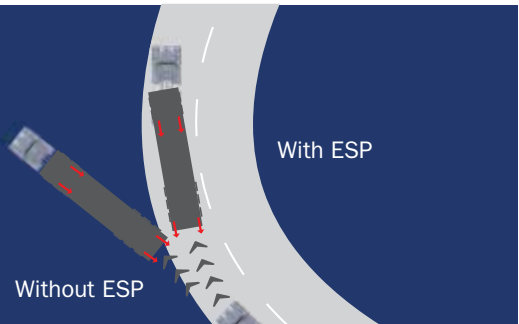
(S) STANDARD

(O) OPTIONAL

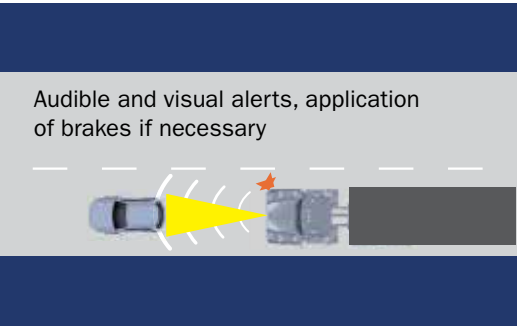
ACTIVE CRUISE BRAKING



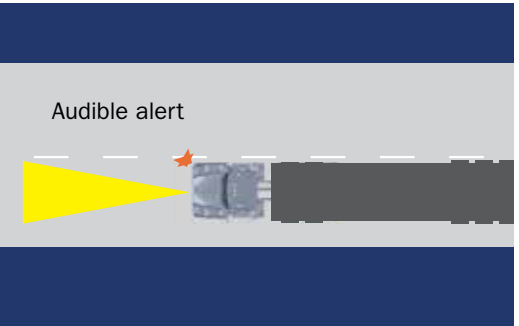
ELECTRONIC STABILITY PROGRAM



COLLISION MITIGATION SYSTEM WITH AEB



LANE DEPARTURE WARNING



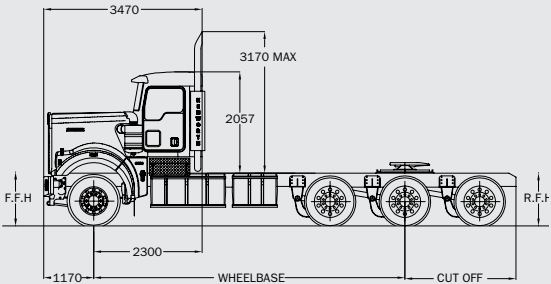
DESIGN FLEXIBILITY



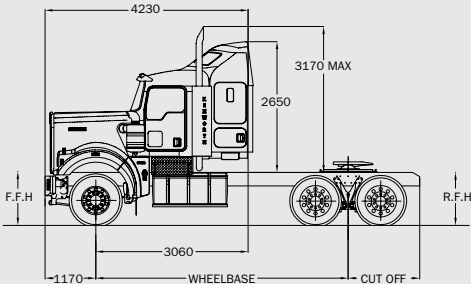
C509

KENWORTH SUPPORT

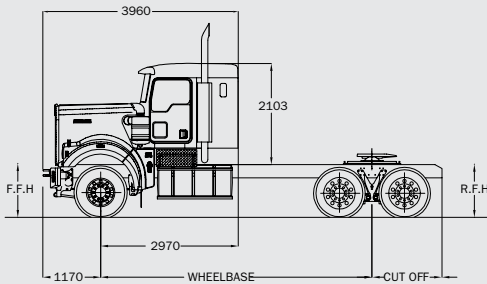
DAY CAB



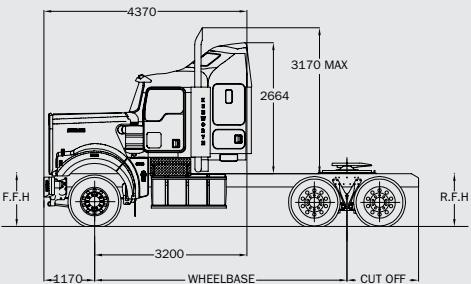
36" AERO ROOF RECESSED BACK SLEEPER



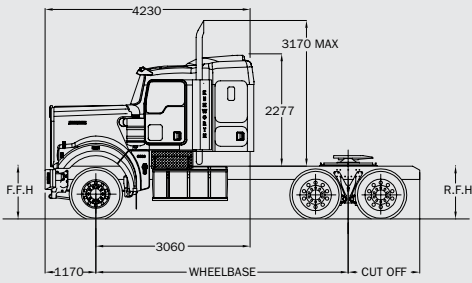
28" FLAT ROOF SLEEPER



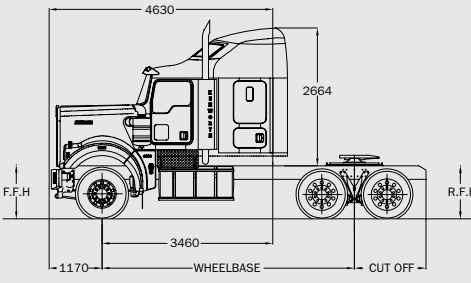
36" AERO ROOF SLEEPER



36" MID ROOF RECESSED BACK SLEEPER



50" AERO ROOF SLEEPER



CONFIGURATION	
6 X 4	standard
8 X 6	optional
GCM	
NOMINAL 97 TONNE LIMIT AND UP TO 250T BASED ON APPLICATION AND CONFIGURATION*	
* Higher GCM ratings available subject to Application and Engineering approval.	
SLEEPER	
28" FLAT ROOF	optional
36" MID ROOF RECESSED BACK	optional
36" AERO ROOF RECESSED BACK	optional
36" AERO ROOF	optional
50" AERO ROOF	optional
SUSPENSION	
FRONT - TAPER LEAF, MULTI LEAF / REAR - AIRBAG, MECHANICAL	
TRANSMISSION	
MANUAL & AUTOMATED MANUAL TRANSMISSION (AMT)	

FRONT FRAME HEIGHT (F.F.H) mm			
Front Spring	Tyres		
	11R22.5 R251	295/80 R22.5 R150-II	385/65 R22.5 R249
7.2T Multi	1088	1090	1102
8.2T Slipper	1091	1093	1105
REAR FRAME HEIGHT (R.F.H) mm			
Rear Suspension	Tyres		
	11R22.5 M766	11R22.5 M822	275/70 R22.5 M749
Airglide 460	1063	1069	1013
Neway AD246/10	1050	1056	1000
Neway AD369/10	1049	1055	999



PACCAR Inc. is a Six Sigma company and global technology leader in the design, manufacture and customer support of high-quality light, medium, and heavy-duty trucks under the Kenworth, Peterbilt and DAF brands. PACCAR also designs and manufactures advanced diesel engines, provides financial services and information technology, and distributes truck parts related to its principal business.



Wherever you are you can count on the PACCAR Dealer Network to provide you with excellent parts, service and repairs for all Kenworth trucks and applications. In addition, 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.



The right financing can be as important to your success as the right truck and PACCAR Financial is dedicated solely to the trucking industry. With more than 35 years' experience in the Australian transport industry they understand today's business and continue to support with innovative loan and lease options. Talk to PACCAR Financial about a financial solution to meet your needs.

www.paccarfinancial.com.au



PacLease offers short and long-term rental and leasing solutions with exceptional service, experienced technicians and local franchise support, that can help manage your fleet operations. Offering premium Kenworth rentals, PacLease can help you manage peak, short term, cyclical or seasoned demand, and lower your operating costs with customised service to suit your operation.

www.paclease.com.au



PACCAR Parts offers an extensive range of parts and accessories for all your truck servicing needs. The national distribution centres in Melbourne and Brisbane are amongst the most modern and efficient in Australia and use advanced RF technology in supplying the PACCAR Dealer Network. With an inventory of more than 46,000 PACCAR and vendor-branded parts, they have the parts you need, when you need them.

www.paccarparts.com.au



As well as ISO 14001:2015, which sets the framework and criteria for an environmental management system, PACCAR Australia and Kenworth Trucks are certified ISO9001:2008, which sets the framework for a Quality Management System, and PACCAR Australia is certified OHSAS18001:2007, an international standard, which enables an organisation to improve its performance by having control over, and knowledge of, all relevant hazards resulting from normal operations and abnormal situations.

IMPORTANT NOTES

All frame height dimensions are to the top of the frame using 270mm rails.

For illustration purposes different configurations have been used.

Variations will occur due to tare weight differences caused by optional equipment and fuel. Variations of +/- 25mm can be expected on heavy duty trucks.

Heights have been calculated with the tyre in an unladen condition and unless specified Bridgestone tyres have been used in the calculations. Variations will be caused by different tyre manufacturers.

For a wide range of options, contact your Kenworth Dealer.