

# C500T



# C500T

**W**hen you're talking about the Kenworth C500T, the phrase, "Built tough for Australia's tough conditions!" has never meant so much.

**I**n the C500T, Kenworth's legendary custom engineering, design excellence and build-quality produces a unique vehicle suited to the most brutal conditions that this country or any other can hand out.

**W**hether it's logging in the mountain forests of our North or working the salt pans of the West; hauling a multi-trailer cattle-train through the wilds of the centre or hauling a massive construction component to its destination, the Kenworth C500T is built to handle the job better.

**A**nd Kenworth's custom-specification engineering ensures that the vehicle will be ideally suited to the job and that it incorporates the very latest and the very best technology in terms of engine, transmission, axles, suspension and driver ergonomics.

**F**or sheer performance and value there's no better proposition than a Kenworth. With whole-of-life costs at the very lowest end of the scale, Kenworth offers operators the chance to make significant improvements to their bottom line profits.

**W**hen conditions are good, the Kenworth C500T is very good; when conditions are bad, it's even better.

## STANDARD EQUIPMENT

### ENGINE

Cummins N14-330STC 14.0 litre  
246 kW at 1950rpm, 1828Nm at 1100rpm

Six-cylinder turbo-charged, air to air aftercooled. Spin-on oil filters and fuel filter

### Electrical

12-volt lighting system, 12-volt starting system

Manual reset circuit breakers

130 Amp Prestolite brushless alternator

4 x Kenworth 12-volt 13-plate batteries

### Cooling System

Cross Braced radiator with 0.79m<sup>2</sup> frontal area

Removable top and bottom tanks

Kenworth spin-on water filter

Horton Thermatic fan hub

### Hood

Kenworth forward-tilting Unitglas hood with split fender assembly

### Air Cleaner

Dual Donaldson Cyclopac

356mm dry type air cleaner, cowl mounted

Moulded rubber sleeves and stainless steel clamps at all connections

### Exhaust System

Single vertical exhaust system, with 254mm muffler, stainless steel flex section for vibration isolation, and wide band seal clamps

### TRANSMISSION

#### Main Transmission

Fuller RT 14709H, 9-speed direct twin counter-shaft

#### Clutch

Spicer angle spring, 394mm organic, coaxial, dampened hub clutch assembly

Manual adjusting clutch cover, greaseable throwout bearing

#### Driveline

Spicer 1810 series dampened driveline with needle-bearing universal joints

Glidecote splined slip-joint

## OPTIONAL EQUIPMENT

### Engines

Cummins In-line 6-(330 to 392kW)

Detroit Series 60 (239 to 336kW)

Caterpillar In-line 6-(231 to 343kW)

All engines are turbo charged, and available in performance or economy ratings

### Engine Equipment

Jacobs engine brake

Air start

Fuel Haul kit

### Air Cleaners

Dual Donaldson air cleaners

### Exhaust System

Dual exhaust system

### Transmission

Fuller Roadranger, 9- to 18-speed

Spicer Spoiler, 7- to 20-speed

Direct or overdrive

Allison Automatic, 5-speed

### Auxiliary Transmissions

Spicer 4-speed

Fuller 2-speed

### Driveline

Centre bearing(s)





## SUSPENSION/STEERING

### Front Axle

Rockwell FG941Q, 6.6-tonne rated capacity  
6-spoke cast hubs

### Front Suspension

6000kg nominal capacity, rolled eye, constant rate leaf springs  
Threaded steel pins and bushings  
Shock absorbers

### Steering System

Ross HFB70 integral gear, hydraulic power steering

### Rear Axle

Rockwell SP40G single reduction, single speed tandem axle with pressure lube inter-axle differential  
18.1-tonne rated capacity  
6-spoke cast hubs  
Inter-axle differential lockout

### Service Brakes

Front: Rockwell S-cam air brakes, 420mm x 127mm  
Rear: Rockwell S-cam air brakes, 420mm x 180mm  
Cast brake drums

### Parking Brake

Dual axle, spring applied/air released

### Rear Axle Suspension

Kenworth TBB-115 suspension  
Two torsion bar springs, dual adjusting verniers, shock absorbers  
17.0-tonne rated capacity

### Tyres & Rims

Bridgestone R294 295/80R 22.5, 16-ply radial type (2 supplied)  
Bridgestone R251, 11R22.5, 16-ply radial (8 supplied)  
Mack 225 x 22.5" demountable tubeless rims (10 supplied)

## CHASSIS CAB

### Frame

Heat treated, 758MPa yield strength steel 257mm depth  
Steel bumper with centre tow hitch  
Aluminium gussets  
Square rear of frame  
Steel fifth wheel angles (undrilled) 1750mm

### Cab

Conventional with a 3215mm bumper to back of cab dimension  
Steel/aluminium frame with aluminium and fibreglass aircraft-type riveted construction  
Aluminium bulkhead-type doors with continuous piano-type hinges

## INTERIOR

### Cab Features

KW Air air conditioner with integral defroster  
Cab courtesy lights, and two adjustable ball lights  
Exterior and interior sunvisors  
Overhead console for radio and C.B. radio  
Windscreen: Tinted laminated safety glass  
Door Windows: Tinted, heat-absorbing, tempered, safety glass, manual lift  
Rear window: laminated safety glass  
Cab access grab handles, driver's and passenger's sides  
Dual polished stainless steel framed, flat, heated rear-view mirrors  
Dual air horns and single electric horn  
Lap/shoulder safety belts

### Seats

Driver: Bostrom 411 spring driver's seat, upholstered in vinyl, with matching insert. Colour to match cab trim. Tool box with side access flap and map pocket under seat  
Passenger: Kenworth steel toolbox seat with foam padding, upholstered in vinyl, with matching fabric insert. Toolbox with side flap, under seat

### Instruments

Electronic speedometer (with odometer) and tachometer, Engine oil pressure and water temperature gauges  
Voltmeter and electric fuel gauge

### Cab Trim

Walnut Diamond Pleat studded vinyl cab trim  
Full floor mat, black loaded vinyl

## OTHER

### Accessories

Cigarette lighter and one ashtray  
Dual electric operated variable speed windscreen wipers, heavy duty non-glare arms and parking control  
Windshield washers, ducted to wiper arms  
Kenworth Operator's Parts Catalogue  
Customised Maintenance Manual and Driver's Handbook  
Two spare switches  
Five bus-type marker lights  
Dual stop and tail lights/backup lights  
Dual Quartz halogen headlights  
Front mudflaps (thermo-flex), behind front wheels  
Rear mudflaps (thermo-flex)  
Wheel wrench and cross-brace  
Hydraulic jack, 10-tonne capacity

### Air Equipment

Cummins 6.2 l/s air compressor  
Semi-trailer kit, includes tractor protection valve, coiled air lines, light line (7-pin male plug). Hose-tenna located at rear of cab  
Wire braided air lines in frame  
Thermoplastic air lines in cab

### Warning Devices

Air reservoir pressure gauges  
Warning light clusters in main console  
Low air pressure warning light and buzzer  
High beam indicator light  
High water temperature/low oil warning light  
Inter-axle differential warning light

### Fuel Tank and Battery Box

One 350 litre, 625mm diameter aluminium fuel tank, with two extruded aluminium steps and steel brackets, chrome-plated steel fuel tank straps. Located under cab on left-hand side  
Aluminium battery box with acid-resistant hold-down and tray, steel cover, located under cab on right-hand side

### Brightwork

Full perforated polished stainless steel muffler shield

### Paint

One solid colour Dulux Acran for hood and cab  
One solid colour Dulux Acran for chassis

### Front Axle

Rockwell FL941Q 9.1-tonne capacity

### Front Suspension

6,500kg Constant rate multi-leaf  
8,200kg multi-leaf slipper spring

### Steering System

Dual Ross HFB70 (for use with FL941Q)

### Rear Axles

Single- or dual-drive  
Rockwell or Eaton  
11,000kg single axle capacity  
17.3- to 29.5-tonne dual axle capacity  
Wide range of ratios

### Rear Axle Suspension

Kenworth, Hendrickson or Reyco  
11-tonne single axle capacity  
17.3t. to 27.0t. dual axle capacity

### Tyres

Premium brands to customer requirements

### Frame

273mm steel  
Full strength chassis inserts  
Tractor taper rear of frame, heavy duty towing crossmember  
Fifth wheel to customer's requirements

### Cab

Separate sleeper compartment (915mm), with walk-through access from cab  
Separate Aerodyne sleeper compartment (915mm), with walk-through access from cab

### Instruments

Electronic Tachograph  
Exhaust Pyrometer  
Oil temperature gauges  
Engine hour meter  
Air cleaner restriction gauge

### Cab Trim

Selection of colours in vinyl

### Accessories

AWA Clarion AM-FM radio-cassette  
Fog lights  
Driving lights  
Grakon utility spotlights

### Seats

Seats Inc Road-Pro

### Air Equipment

Thermoplastic air lines in frame.

### Warning Devices

'Murphy' low oil pressure, high water temperature, high oil temperature switch gauges.  
'Murphy' low water level indicator with buzzer.

### Fuel Tank

Aluminium or steel 625mm tanks 230 to 450 litre capacity

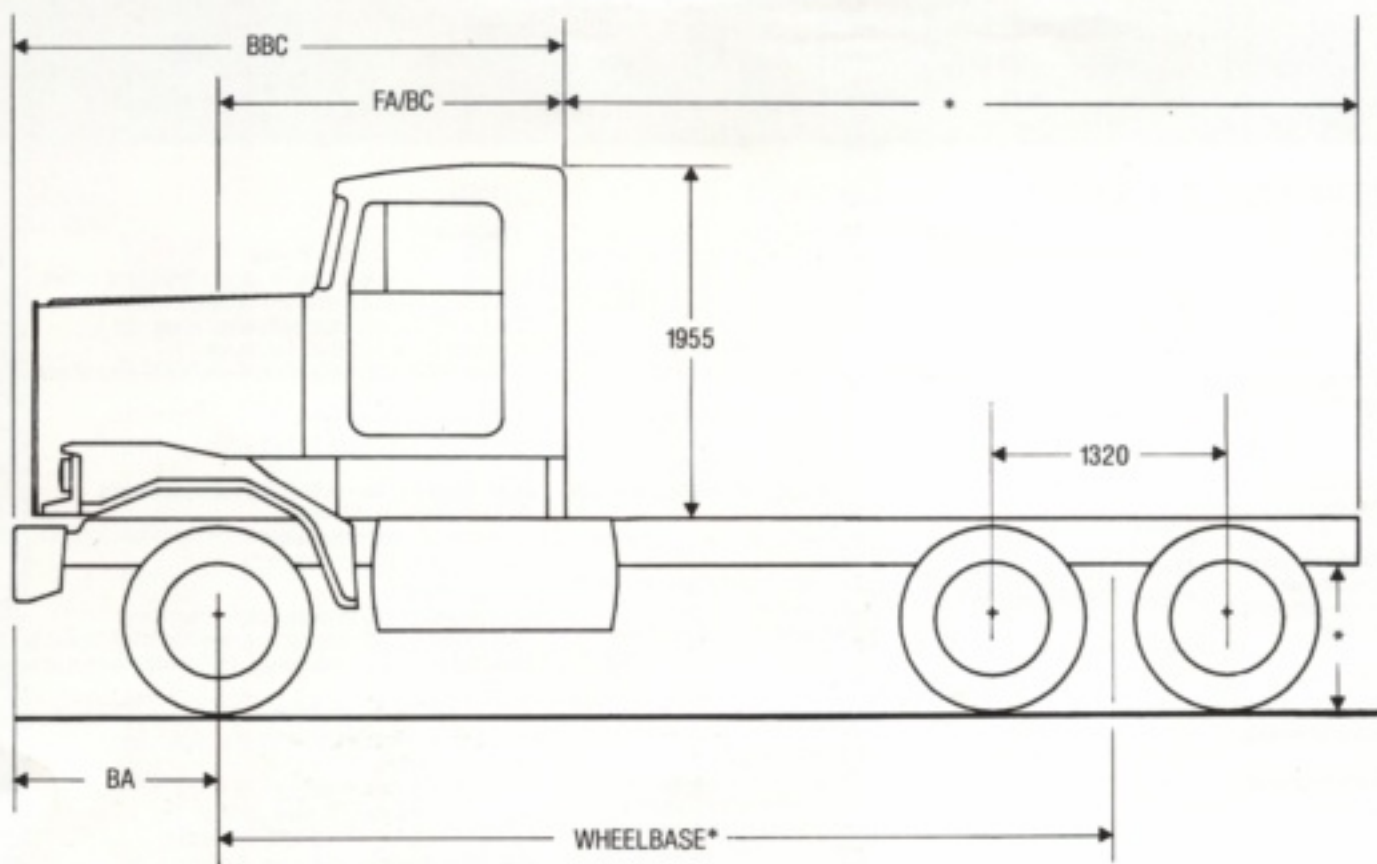
### Trailer Connections

Full truck/trailer connections  
Combined semi/full truck connections

### Paint

Painted to customer's requirements in up to four colours





BA = Bumper to front axle  
 BBC = Bumper to back of cab  
 FA/BC = Front axle to back of cab

|                        | CUMMINS<br>KTA ENGINES | CUMMINS<br>N14 ENGINES | CATERPILLAR<br>3406B ENGINES | DETROIT<br>SERIES 60 ENGINES |
|------------------------|------------------------|------------------------|------------------------------|------------------------------|
| SET FORWARD FRONT AXLE |                        |                        |                              |                              |
| BA                     | 1015                   | 1015                   | 1015                         | 1015                         |
| BBC                    | 3215                   | 3215                   | 3215                         | 3215                         |
| FA/BC                  | 2200                   | 2200                   | 2200                         | 2200                         |

YOUR DEALER

The vehicles shown in this brochure are for illustrative purposes only and may include some non standard, optional equipment. For full details, please contact your Kenworth Dealer. In the interests of product improvement, Kenworth reserves the right to change these specifications without prior notice.