



UD TRUCKS

# Condor PK 17 280



## SPECIFICATIONS

|                  |   |                     |   |
|------------------|---|---------------------|---|
| <b>GVM*</b>      | 16,500 kg                                 | <b>Power</b>        | 206 kW @ 2,500 rpm  |
| <b>GCM</b>       | 20,500 kg                                 | <b>Torque</b>       | 883 Nm @ 1,400 rpm  |
| <b>Opt GCM**</b> | 26,000 kg - 6 speed<br>(on application)   | <b>Transmission</b> | UD Trucks 6 speed manual<br>Eaton 9 speed manual<br>Allison 6 speed automatic |
|                  | 32,000 kg - 9 speed<br>(on application)   | <b>Suspension</b>   | Hendrickson Airbag Suspension, HAS  |
|                  | 32,000 kg - Automatic<br>(on application) |                     |   |

## FEATURES

|  |   |
|--|---|
| ECE-R29 Cab Strength Compliant                                 | Multi adjustable air suspended driver seat                  |
| Drivers SRS airbag and seat belt pretensioner                  | Cruise control  |
| WABCO ABS (Anti-lock Braking System)                           | Easy Hill Start (EHS) - manual models only                  |
| Allison Generation 5 Automatic transmission                    | Touch screen multimedia with SD, USB, CD, DVD, 3.5mm inputs |
| ADR84/00 (ECE-R93) integrated Front Underrun Protection (FUPS) | ADR42 compliant sleeper cab and mattress                    |
| Fleet Max Plus telematics system                               | Heated and electronically operated external mirrors         |

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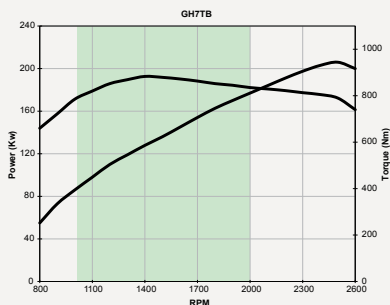
Note: PK 17 280 shown may not be representative of actual vehicle. Model shown with optional 2nd 200L fuel tank.

## SAFETY

ECE-R29 Cab strength compliant  
 ADR84/00 (ECE-R93) integrated Front Underrun Protection (FUPS)  
 SRS drivers airbag with seat belt pretensioner  
 WABCO ABS (Anti-lock Braking System)  
 Electrically operated and heated mirrors  
 360° visibility with up to 4 optional cameras

## ENGINE

|                              |   |
|------------------------------|---|
| Make                         | UD Trucks   |
| Model                        | GH7TB   |
| Description                  | 4 cycle, direct injection, diesel engine with overhead cam, 4 valves per cylinder, water cooled and intercooler with variable turbocharging system. |
| Cylinders                    | 6 in-line   |
| Total piston displacement    | 7,013 cc (7 litres)   |
| Bore x stroke                | 110 mm x 123 mm   |
| Compression ratio            | 17.5:1  |
| Max. Power (ECE Net)         | 206 kW (280 ps) @ 2,500 rpm   |
| Max. Power (JIS Gross est.)  | 214 kW (291 ps) @ 2,500 rpm   |
| Max. Torque (ECE Net)        | 883 Nm (651 lb/ft) @ 1,400 rpm  |
| Max. Torque (JIS Gross est.) | 917 Nm (676 lb/ft) @ 1,400 rpm  |
| Max. governed engine speed   | 2,600 rpm   |



|                       |  |
|-----------------------|--|
| Lubrication system    | Forced oil feed by gear pump, flat tube oil cooler, full flow and bi-pass oil filters with replaceable elements and 17 litre capacity  |
| Compressed air system | Water cooled reciprocating type, single cylinder air compressor with air dryer   |
| Cooling System        | Forced feed by centrifugal water pump, wax pellet type thermostat with bypass. Aluminium corrugated fin type radiator with cab front bonnet mounted reserve tank and a 600 mm diameter 11 blade viscous coupling cooling fan |

## FUEL AND INTAKE SYSTEM

|                |   |
|----------------|---|
| Injection type | Ultra high pressure common rail injection system      |
| Filtration     | Chassis mounted primary and engine mounted secondary  |
| Capacity       | 200 litre steel tank with lockable cap on LHS chassis |
| Air filtration | Primary dry paper element air filter on RHS under cab |
| Air intake     | High mounted RHS air intake                           |

## EXHAUST AND EMISSION CONTROL

|                   |   |
|-------------------|---|
| Emission standard | ADR80/03 (Euro 5 emission standard)   |
| Emission system   | Selective Catalytic Reduction (SCR)   |
| AdBlue® capacity  | 50 litre polymer tank with lockable cap mounted on LHS  |
| Exhaust system    | RHS chassis mounted muffler/catalytic converter with horizontal rear facing exhaust discharge |

## ELECTRICAL

|                  |   |
|------------------|---|
| Power            | 24 volt, negative ground system                     |
| Battery capacity | 2 x 12 volt 120 Ah batteries mounted on LHS chassis |
| Alternator       | 110 amp with built in IC regulator                  |

## CLUTCH (manual models only)

|               |   |
|---------------|---|
| Make          | UD Trucks   |
| Description   | Dry single organic plate with push type diaphragm |
| Disc diameter | 380 mm  |
| Mechanism     | Hydraulically operated with air assistance        |

## TORQUE CONVERTER (automatic models only)

|                    |  |
|--------------------|--|
| Make               | Allison  |
| Model              | TC 415   |
| Description        | One stage, three element, polyphase. Includes standard integral damper with lock-up function |
| Stall torque ratio | 2.35:1   |

## TRANSMISSION/S

### 6 SPEED MANUAL

|                |   |
|----------------|---|
| Make           | UD Trucks   |
| Model          | MPS63B  |
| Description    | Six forward speeds and one reverse, sychomesh 2nd to 6th gears. Non-synchro 1st and reverse                           |
| Shift type     | Mechanically remote control operated shift  |
| Gear ratios    | <b>1st</b> 7.03 <b>4th</b> 1.50 <b>Rev</b> 7.04<br><b>2nd</b> 4.28 <b>5th</b> 1.00<br><b>3rd</b> 2.49 <b>6th</b> 0.78 |
| PTO capability | LHS 300 Nm @ 100% engine speed (nominal ratio)  |

### 9 SPEED MANUAL

|                |  |
|----------------|--|
| Make           | Eaton  |
| Model          | ES11109  |
| Description    | Nine forward synchromesh speeds and one non-synchro reverse  |
| Shift type     | Mechanically remote control operated shift   |
| Gear ratios    | <b>1st</b> 12.64 <b>4th</b> 4.77 <b>7th</b> 1.85<br><b>2nd</b> 8.81 <b>5th</b> 3.55 <b>8th</b> 1.34<br><b>3rd</b> 6.55 <b>6th</b> 2.48 <b>9th</b> 1.00<br><b>Rev</b> 13.21 |
| PTO capability | Two LHS and one rear openings available  |

### 6 SPEED AUTOMATIC

|                                  |   |
|----------------------------------|---|
| Make                             | Allison Generation 5  |
| Model                            | 3060P   |
| Description                      | Six forward speeds and one reverse. Fully automatic Allison Gen5 adaptive shift with power and EcoFleet modes         |
| Shift type                       | Electronic push button controller   |
| Gear ratios                      | <b>1st</b> 3.49 <b>4th</b> 1.00 <b>Rev</b> 5.03<br><b>2nd</b> 1.86 <b>5th</b> 0.75<br><b>3rd</b> 1.41 <b>6th</b> 0.65 |
| PTO capability                   | Flywheel type drive with LHS and RHS openings 660 Nm using one opening, or 930 Nm total using both openings           |
| Electronic Brake Interface (EBI) | Transmission assisted engine braking effort when exhaust brake is activated   |

## FRONT AXLE AND SUSPENSION SYSTEM

|                      |   |
|----------------------|---|
| Axle make            | UD Trucks   |
| Description          | Drop forged steel "I" section beam, "ELLIOT" type               |
| Suspension           | Long taper leaf spring with anchor at front and shackle at rear |
| Dimensions (mm)      | 80 mm x 1,400 mm  |
| Number of leaves     | 3   |
| Spring constant      | 343 N/mm (35.0 kg/mm)   |
| Shock absorbers      | 2 telescopic double acting                                      |
| Max. ground capacity | Refer to the <b>Load Capacity Summary</b> on Page 3             |

## REAR AXLE AND SUSPENSION SYSTEM

|                       |   |
|-----------------------|---|
| Axle make             | UD Trucks   |
| Type                  | Fully floating pressed steel banjo type housing with single drive                   |
| Gear type             | Single reduction, hypoid gear   |
| Final reduction ratio | 6 speed manual - 5.143:1<br>6 speed automatic - 6.166:1<br>9 speed manual - 4.333:1 |

## AIR SUSPENSION

|   |   |
|---|---|
| Description                               | Hendrickson HAS230 - Road Friendly compliant  |
| Air spring diameter                       | 320 mm  |
| Number of springs                         | 2 airbags   |
| Spring constant                           | 125 N/mm (12.8 kg/mm)   |
| Shock absorbers                           | 2 telescopic double acting  |
| Road Friendly Certification Number (RFCN) | RF2022  |
| Control system                            | WABCO ECAS (Electronic Controlled Air Suspension) with programmable remote control in cab |
| Max. ground capacity                      | Refer to the <b>Load Capacity Summary</b> on Page 3                                       |

## LOAD CAPACITY SUMMARY

|                              | Front (kg)   | Rear (kg)     |
|------------------------------|--------------|---------------|
| Axle                         | 6,500        | 11,500        |
| Steering/suspension          | 6,500        | 10,000        |
| Tyres                        | 7,100        | 11,600        |
| <b>Max. ground capacity*</b> | <b>6,500</b> | <b>10,000</b> |

## BRAKES

|                 |   |                       |                       |
|-----------------|---|-----------------------|-----------------------|
| Type            | WABCO ABS (Anti-lock Braking System)  |                       |                       |
| Description     | Full air brake, dual line system, with aluminium air tanks, automatic adjusting taper roller drum brakes, 4 channel ABS |                       |                       |
| Air pressure    | 7.2 - 8.5 kg/cm <sup>2</sup>  |                       |                       |
| Drum diameter   | <b>Front</b>  | <b>Rear</b>           | <b>Total</b>          |
| Lining area     | 410 mm  | 410 mm                |                       |
| Park brakes     | 2,480 cm <sup>2</sup>   | 3,648 cm <sup>2</sup> | 6,128 cm <sup>2</sup> |
| Auxiliary brake | Hand operated pneumatically controlled spring park brake on drive axle  |                       |                       |
|                 | Butterfly type exhaust brake  |                       |                       |

## STEERING

|                     |  |
|---------------------|--|
| Type                | Recirculating ball and screw with hydraulic assist |
| Steering gear ratio | 22.42:1  |
| Column              | Adjustable, tilt and telescopic control            |
| Steering wheel      | 460 mm diameter with ignition key steering lock    |

## WHEELS AND TYRES

|             |   |
|-------------|---|
| Wheels      | Pressed steel disc type 8.25" x 22.5" rim with 165 mm offset - ISO 10 stud pattern (335 mm PCD)   |
| Front tyres | Single 295/80R 22.5" Dunlop SP350, regroovable  |
| Rear tyres  | <i>H WB only</i><br>Dual 11R 22.5" Dunlop SP431, regroovable  |
| Spare tyre  | <i>except H WB</i><br>Dual 11R 22.5" Dunlop SP343, regroovable<br>Single 295/80R 22.5" Dunlop SP350, regroovable mounted on Spare Tyre Carrier at rear of chassis |

## FRAME

|                      |   |                       |  |
|----------------------|---|-----------------------|--|
| Construction         | Ladder, channel type double skin chassis construction                 |                       |  |
| Width                | 860 mm  |                       |  |
| Side rail dimensions | 250 mm x 80 mm x 8 mm +<br>234 mm x 72 mm x 3.2 mm (H & K wheelbase)  |                       |  |
|                      | 250 mm x 80 mm x 8 mm +<br>234 mm x 72 mm x 6 mm (N, R & S wheelbase) |                       |  |
| Material             | Pressed high tensile carbon steel                                     |                       |  |
| Rail data            | <b>Tensile</b>  | <b>Yield</b>          | <b>Modulus</b>   |
|                      | 55 kg/mm <sup>2</sup>   | 38 kg/mm <sup>2</sup> | Refer to Body Manual<br><a href="http://udtrucks.com.au">udtrucks.com.au</a> |

## STANDARD DRIVER AIDS

|                   |  |
|-------------------|--|
| Safety equipment  | ECE-R29 Cab strength compliant<br>ADR84/00 (ECE-R93) Front Underrun Protection System compliance (FUPS)<br>SRS driver steering wheel airbag<br>SRS driver seat belt pretensioner<br>ABS – Anti-lock Brake System   |
| Instrumentation   | Fully electronic, CAN-BUS instrument system including speedometer, tachometer (with economical green driving band), fuel, temperature, AdBlue® level and independent front and rear air circuit pressure gauges. Digital odometer display with dual trip function  |
| Warning systems   | Up to 22 visual warning lamps plus up to 38 different written warnings displayed on the LCD screen.  |
| Driver assistance | In conjunction 13 audible tones are used<br>Driver's Information System (DIS) displaying useful vehicle data including: date/time, engine temperature oil pressure, voltmeter, trip information, along with service intervals for engine, transmission, differentials, belts and air filter. Electronic stalk mounted cruise control. GPS satellite navigation with HEREMAPS "truck" mapping |

## EXTERNAL CABIN

|                     |  |
|---------------------|--|
| Description         | Aerodynamically designed, forward control, pressed steel construction cab with 45° torsion bar cab tilt                          |
| Mounting type       | Spring suspended cab with 2 dual acting shock absorbers  |
| Crash test standard | ECE-R29 compliant  |
| Cab paint           | Standard – Jumping White (W33)   |
| Doors               | 90° opening, steel construction with side intrusion beams  |
| Inspection points   | All daily inspections can be carried out without lifting the cab from the front opening inspection panel                         |
| Bumper type         | 2 piece pressed steel and fibre-glass air dam front bumper   |
| Mirrors             | Heated and electrically operated LH and RH main mirrors with wide vision spot mirrors and passenger side down facing spot mirror |
| Lamps               | Halogen multi-reflector head lamps<br>ADR49/00 bumper mounted fog lamps<br>ADR49/00 roof mounted clearance lights                |
| Glass               | Tinted front, side and rear  |
| Wipers              | Double arm, 2 speed wipers with intermittent operation and integrated washers  |
| Reversing system    | Rear facing reverse light and audible warning alarm, infra-red camera with microphone  |

## INTERNAL CABIN

|                        |  |
|------------------------|--|
| Lighting               | Single ON/OFF/DOOR interior lights with an independent 720 mm x 140 mm fluorescent lamp  |
| Standard Seat Capacity | 3 occupant seats - 2 outer seats with retractable 3 point seat belts, centre seat with adjustable lap belt   |
| Driver seat            | CVG multi-adjustable, air suspended with automatic height control and adjustable shock absorber  |
| Passenger seat(s)      | Flat folding LH assistant seat with lift up base<br>Flat folding centre seat with back of seat storage   |
| Sleeping capability    | ADR42/04 compliant sleeper bunk with mattress (full cab curtains)  |
| Side windows           | Power operated door glass  |
| Security               | Remote keyless central locking   |
| Air conditioning       | Adjustable temperature control with multi-speed fan  |
| Audio system           | 6.1" Touch Screen, Digital Radio DAB+, Inbuilt 32G Hard Drive, 4 Camera inputs incl. option for IR night vision and multiple component inputs, SD, USB, CD, DVD, 3.5mm, 3-way speakers |
| Telematics             | Fleet Max Plus CAN and GPS vehicle data reporting  |
| Cup holders            | 2 centre mounted cup-holders<br>RH and LH door mounted bottle-holders<br>additional 2 back of centre seat cup holders  |
| Storage                | Driver and passenger overhead consoles (6 litres each) with lids<br>10 litre back of centre seat storage box with lid<br>Driver and passenger door pockets                             |
| Power outlets          | 24 volt 240 W cigarette lighter/power outlet   |
| Accessory fitment      | Two DIN sized compartments for accessory fitment   |
| Floor coverings        | Vinyl  |

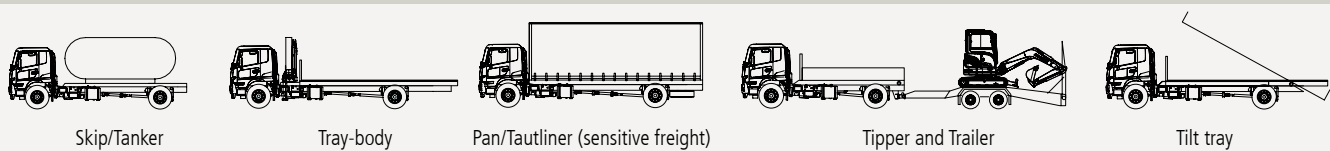
## FACTORY OPTIONAL EQUIPMENT (indent order)

|                     |   |
|---------------------|---|
| Tyres               | 275/70R22.5 (6,300 kg front axle capacity)  |
| Suspension          | Multi-leaf front springs 294 Nm/mm (29.9 kg/mm)                                     |
| Fuel Capacity       | 200 litre LHS chassis mounted auxiliary tank with lockable cap (except H wheelbase) |
| Seating             | Large centre console (replaces centre seat)   |
| Engine/ PTO control | Electronic engine governor control with external control lever                      |
| Cab paint           | Custom paint colours (up to 3 colours per cab)                                      |
| Front view mirror   | Left-hand side close-view spotter mirror  |

## DEALER FIT OPTIONAL EQUIPMENT

|                  |   |
|------------------|---|
| Rear engine PTO  | 343 Nm torque capacity @ 120% engine speed<br>343 Nm torque capacity @ 85% engine speed |
| Transmission PTO | Specific to application refer to dealer   |
| Cameras          | Up to 3 additional cameras connected to the in-dash multimedia unit                     |

## TYPICAL APPLICATIONS

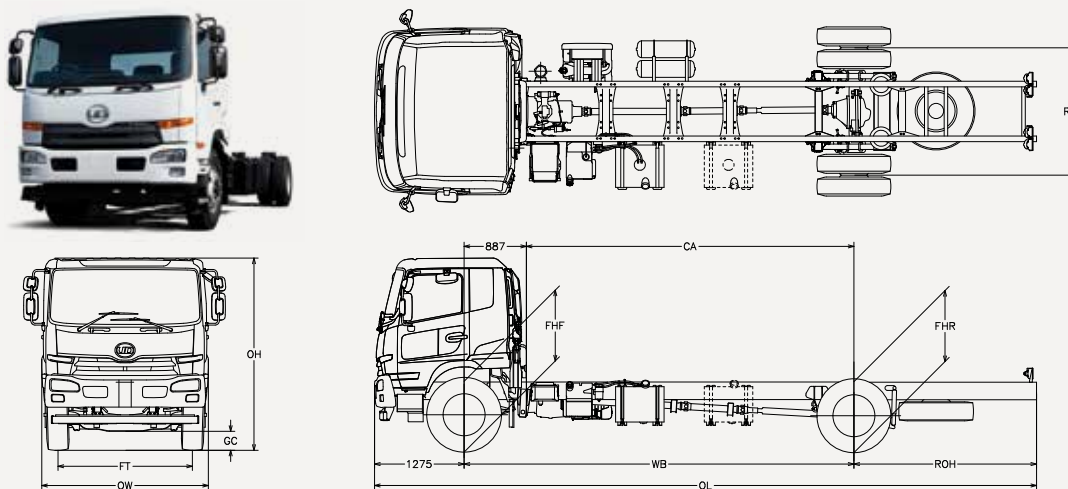


## GENERAL SPECIFICATIONS (Approximate)

| Variant                | Mass (kg)      |        |        |                 |                 |                         | Vehicle Dimensions (mm) |        |            |                 |       |       |       |       |                 |                  |                  |                      |                               |               |
|------------------------|----------------|--------|--------|-----------------|-----------------|-------------------------|-------------------------|--------|------------|-----------------|-------|-------|-------|-------|-----------------|------------------|------------------|----------------------|-------------------------------|---------------|
|                        | Wheelbase code | GVM*   | GCM**  | FA <sup>1</sup> | RA <sup>1</sup> | Total Tare <sup>1</sup> | WB                      | OL     | OW         | OH <sup>2</sup> | FT    | RT    | ROH   | CA    | GC <sup>2</sup> | FHF <sup>2</sup> | FHR <sup>2</sup> | FHR (Lowered height) | Turning radius (kerb to kerb) | UD model code |
| 6-speed <sup>3</sup>   | H              | 16,500 | 20,500 | 3,095           | 1,965           | 5,060                   | 4,500                   | 7,625  | 2,472      | 2,734           | 1,934 | 1,860 | 1,850 | 3,613 | 266             | 965              | 984              | 939                  | 8,000                         | PK17280H6A    |
|                        | N              |        |        | 3,150           | 2,085           | 5,235                   | 5,550                   | 9,425  |            |                 |       |       | 2,600 | 4,663 |                 |                  |                  |                      | 9,600                         | PK17280N6A    |
|                        | R              |        |        | 3,175           | 2,100           | 5,275                   | 6,050                   | 10,125 |            |                 |       |       | 2,800 | 5,163 |                 |                  |                  |                      | 10,400                        | PK17280R6A    |
|                        | S              |        |        | 3,260           | 2,200           | 5,460                   | 6,450                   | 10,625 |            |                 |       |       | 2,900 | 5,563 |                 |                  |                  |                      | 11,100                        | PK17280S6A    |
| Automatic <sup>2</sup> | H              | 16,500 | 20,500 | 3,130           | 1,955           | 5,085                   | 4,500                   | 7,625  | 2,472      | 2,734           | 1,934 | 1,860 | 1,850 | 3,613 | 266             | 965              | 984              | 939                  | 8,000                         | PK17280HAA    |
|                        | K              |        |        | 3,155           | 1,975           | 5,130                   | 4,900                   | 8,130  |            |                 |       |       | 1,955 | 4,013 |                 |                  |                  |                      | 8,600                         | PK17280KAA    |
|                        | N              |        |        | 3,190           | 2,070           | 5,260                   | 5,550                   | 9,425  |            |                 |       |       | 2,600 | 4,663 |                 |                  |                  |                      | 9,600                         | PK17280NAA    |
|                        | R              |        |        | 3,210           | 2,090           | 5,300                   | 6,050                   | 10,125 |            |                 |       |       | 2,800 | 5,163 |                 |                  |                  |                      | 10,400                        | PK17280RAA    |
| S                      | 3,300          | 2,185  | 5,485  | 6,450           | 10,625          | 2,900                   | 5,563                   | 11,100 | PK17280SAA |                 |       |       |       |       |                 |                  |                  |                      |                               |               |
| 9-speed <sup>2</sup>   | H              | 16,500 | 20,500 | 3,060           | 1,970           | 5,030                   | 4,500                   | 7,625  | 2,472      | 2,734           | 1,934 | 1,860 | 1,850 | 3,613 | 266             | 965              | 984              | 939                  | 8,000                         | PK17280H9A    |
|                        | N              |        |        | 3,130           | 2,070           | 5,200                   | 5,550                   | 9,425  |            |                 |       |       | 2,600 | 4,663 |                 |                  |                  |                      | 9,600                         | PK17280N9A    |
|                        | R              |        |        | 3,150           | 2,090           | 5,240                   | 6,050                   | 10,125 |            |                 |       |       | 2,800 | 5,163 |                 |                  |                  |                      | 10,400                        | PK17280R9A    |
|                        | S              |        |        | 3,225           | 2,200           | 5,425                   | 6,450                   | 10,625 |            |                 |       |       | 2,900 | 5,563 |                 |                  |                  |                      | 11,100                        | PK17280S9A    |

<sup>1</sup> Mass is an estimation only based on standard model, includes fluids (not diesel fuel or AdBlue®), Spare tyre carrier and spare, excludes tools and driver.

<sup>2</sup> Based on vehicle with standard 295/80R 22.5" front and 11R 22.5" rear tyres.



Note: PK 17 280 photo and drawing shown, may not be representative of actual truck

## PERFORMANCE (Calculated)

|                       | 6 speed MPS manual with 5.143 diff ratio and 11R 22.5" tyres | 6 speed Allison automatic with 6.166 diff ratio and 11R 22.5" tyres | 9 speed Eaton manual with 4.333 diff ratio and 11R 22.5" tyres |
|-----------------------|--|---|--|
| Max road speed        | 100 km/h (ADR65/00 - speed limited)                          | 100 km/h (ADR65/00 - speed limited)                                 | 100 km/h (ADR65/00 - speed limited)                            |
| Gradeability 1st gear | 36% @ 16,500 kg  | 55.8% @ 16,500 kg   | 54.2% @ 16,500 kg  |
| Gradeability top gear | 2.8% @ 16,500 kg   | 2.8% @ 16,500 kg  | 3.2% @ 16,500 kg   |
| Est rpm @ 100 km/h    | 2,095 rpm  | 2,104 rpm   | 2,246 rpm  |

## WARRANTY

|                              |                         |   |
|------------------------------|-------------------------|---|
| Standard warranty+           | 36 months/200,000 kms   | + For details refer to <a href="http://udtrucks.com.au">udtrucks.com.au</a>                             |
| Cab corrosion warranty+      | 36 months/unlimited kms | ++Covers selected items only. For details refer to <a href="http://udtrucks.com.au">udtrucks.com.au</a> |
| Optional Extended warranty++ | 60 months/350,000 kms   |   |

NOTES: \*Rated GVM and axle capacities are subject to Federal, State and Territory legal requirements.

\*\*OPT GCM, Contact your Authorised Dealer for GCM options available for this model.

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