



UD TRUCKS

Quon

UD 460 WF



ENGINE

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|-----------------------|--|
| Engine model: | UD Trucks GE 13 TD |
| Engine type: | Turbocharged intercooled, 6 cylinder in-line with 4-valve technology |
| Displacement: | 13 074cm ³ |
| Injection system: | Electronically controlled unit injectors |
| Maximum power output: | 340kW @ 1800rpm |
| Maximum torque: | 2256Nm @ 1200rpm |
| Filtration (Fuel): | Primary & secondary, secondary with water trap |
| Filtration (Oil): | Bypass oil filter |

PTO

| | |
|-----------|---------------------------------|
| Location: | Optional – Rear of transmission |
|-----------|---------------------------------|

AIR CLEANER

| | |
|---------|---|
| Intake: | Raised behind cab |
| Model: | 1 X Donaldson FTG 15 |
| Type: | Cyclonic, safety and primary paper elements |

CLUTCH

| | |
|----------------|------------------------------------|
| Type: | Dry, single plate – self adjusting |
| Operation: | Hydraulic, air assisted |
| Disc diameter: | 430mm |

TRANSMISSION

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|-----------|--------------------------------|
| Model: | ZF-16S 221 OD |
| Type: | 16-speed synchromesh |
| Controls: | Air assisted, manual gearshift |

BRAKES

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| Service brakes: | Dual circuit full air with EBS, ASR. Wedge-type, drum brakes all-round |
| Park brakes: | Spring brakes on front and rear axle |
| Auxiliary brakes: | Remote mounted exhaust brake with engine decompression |
| Auxiliary brakes (intarder type): | ZF Hydrodynamic intarder |
| Braking torque: | 3500 Nm |

FRONT AXLE

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|-------------|---|
| Type: | FF85 drop-forged "1" beam (reverse "Elliot" steering knuckles) |
| Suspension: | Multi leaf spring with double-acting telescopic shock absorbers |
| Stabilizer: | Fitted to front axle |

REAR AXLE

| | |
|-------------|---|
| Type: | RW1A dual-drive bogie with single reduction hypoid differentials and lockable inter-axle differential |
| Suspension: | Trunnion-mounted inverted semi-elliptic multi-leaf springs |

WHEELS AND TYRES

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|-----------------|---|
| Rims: | 9.00 X 22.5 – 175 single-piece steel discs |
| Tyres: | Tubeless radials Front 315/80 R22.5 Rear 315/80 R22.5 |
| Spare wheel: | 315/80 R22.5 |
| Size: | 315/80 R22.5 |
| Optional extra: | 385/65 R22.5 front tyres only |

STEERING

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|---------------------------|--|
| Type: | Recirculating ball and screw, power assisted |
| No of turns lock to lock: | 5 |

CHASSIS

| | |
|-----------------------|--|
| Type: | High tensile, reinforced parallel ladder frame |
| Frame section (main): | 300mm X 85mm X 8mm |

FUEL TANK

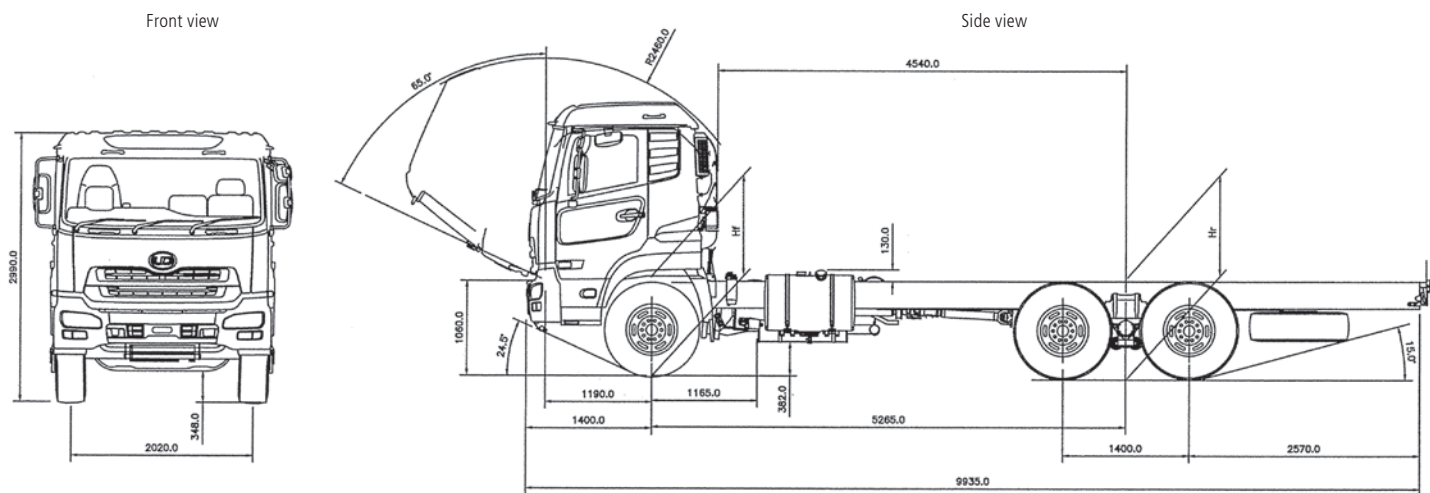
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|----------|-------------------|
| Primary: | 400ℓ Aluminium |
| Feature: | Lockable fuel cap |

ELECTRICAL SYSTEM

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|-----------------|-------------------|
| Alternator: | 24 V, 60 A |
| Starter motor: | 24 V, 7 kW |
| Batteries: | 2 X 12 V, 118 Ah, |
| System Voltage: | 24 V (negative) |

CAB

- G300 steel/composite forward control
- 4-point air suspension with shock absorbers
- Full trim Interior with cover for rear window
- Adjustable steering column for height and rake
- Single sleeper compartment with under bed storage, wardrobe & mattress
- Manually adjustable air conditioner
- Radio/CD-player
- Centre overhead parcel box
- Adjustable air suspended driver's seat, including lumbar support and integral headrest
- Fixed assistant seat – fold-up type with integral headrest
- Fold-down centre seat
- 2-point safety lap belt
- 3-point ELR driver and assistant safety belt
- Heater/Demister (4-speed blower)
- Cigarette lighter
- Column-mounted lever for lights, indicators, windscreen wipers/washers, hazard warning, exhaust brake/ "extra" engine brake



- Fluorescent internal light
- 2 Sun visors with document holders
- Door side pockets
- Electrically operated windows
- 3 Windscreen wipers (2 speeds + intermittent setting) (washer reservoir 4.7ℓ)
- Fog lamps
- 4 External rear-view mirrors (Wide Angle mirrors on LHS) Body width – 2.6m
- Step lamps driver side
- Aluminium cab steps
- Central door locking – with key
- Curtain rails – rear, centre and sides
- Hand trailer control brake with auto return function
- 2 Cup holders
- Speed limiter standard – 90km/h, options 80, 100, 110 km/h
- Headlight height adjustment from inside the cab

INSTRUMENTS

Speedometer, odometer, tripmeter, rev counter, fuel gauge, dual air pressure gauge, engine water temperature gauge. Audio and visual warning devices

PERFORMANCE DATA

Final drive ratio: 4.625

MASS INFORMATION

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| Tare mass chassis/cab: | 8 610 Kg |
| Tare mass on front axle: | 4 420 Kg |
| Tare mass on rear axle/bogie: | 4 190 Kg |
| Manufacturer's gross front axle massload (GA): | 8 500 Kg |
| Manufacturer's gross rear axle and massload (GA/GAU): | 21 000 Kg |

| | |
|---|-----------|
| Manufacturer's gross vehicle mass (GVM): | 26 000 Kg |
| Manufacturers gross combination mass (GCM): | 65 000 Kg |
| Max permissible front axle massload (A) | 7 500 Kg |
| Max permissible rear/unit massload (A/AU): | 18 000 Kg |
| Max permissible vehicle mass (V): | 25 500 Kg |
| Max permissible drawing vehicle mass (D/T): | 65 000 Kg |

DIMENSIONS

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|---|------------|
| Wheelbase (WB): | 5 265 mm |
| Overall length (OL): | 9 935 mm |
| Overall width (OW): | 2 515 mm |
| Overall height (OH): | 2 990 mm |
| Frame height unladen (front): | 1 000 mm |
| Frame height unladen (rear): | 1 110 mm |
| Ground clearance (rear): | 250 mm |
| Track front (FT): | 2 020 mm |
| Track rear (RT): | 1 840 mm |
| Overhang front (FO): | 1 400 mm |
| Overhang rear (ROF)(to end of frame): | 2 570 mm |
| Centre of rear axles to rear of cab (CA): | 4 540 mm |
| Chassis width: | 840 mm |
| Cab tilt angle: | 65 degrees |
| Turning circle: | 19 200 mm |

MISCELLANEOUS EQUIPMENT

Jack, warning triangle, basic tool kit, owner's handbook/service booklet
 PTO failsafe controls (parkbrake "ON" allows for PTO operation)
 Engine "fast heat" switch. governor control (optional)
 Chassis mounted toolbox

PERFORMANCE DATA

| Gear | Gear Ratio :1 | Road Speed @ Max R/Min (Km/H) | Road Speed @ Max Torque (Km/H) | Gradeability @ V % | Gradeability @ D/T % |
|------|---------------|-------------------------------|--------------------------------|--------------------|----------------------|
| 1ST | 13.800 | 6 | 4 | 90.88% | 42.19% |
| 2ND | 11.510 | 7 | 4 | 75.80% | 35.19% |
| 3RD | 9.590 | 9 | 5 | 63.15% | 29.32% |
| 4TH | 8.020 | 11 | 6 | 52.81% | 24.52% |
| 5TH | 6.810 | 13 | 8 | 44.85% | 20.82% |
| 6TH | 5.700 | 15 | 9 | 37.54% | 17.43% |
| 7TH | 4.580 | 19 | 11 | 30.16% | 14.00% |
| 8TH | 3.840 | 22 | 13 | 25.29% | 11.74% |
| 9TH | 3.010 | 28 | 17 | 19.82% | 9.20% |
| 10TH | 2.520 | 34 | 20 | 16.60% | 7.70% |
| 11TH | 2.090 | 41 | 25 | 13.76% | 6.39% |
| 12TH | 1.750 | 49 | 29 | 11.52% | 5.35% |
| 13TH | 1.490 | 57 | 34 | 9.81% | 4.56% |
| 14TH | 1.240 | 69 | 41 | 8.17% | 3.79% |
| 15TH | 1.000 | 85 | 51 | 6.59% | 3.06% |
| 16TH | 0.840 | 102 | 61 | 5.53% | 2.57% |
| Rev | 12.920 | 7 | 4 | 85.08% | 39.50% |
| Rev | 10.800 | 8 | 5 | 71.12% | 33.02% |

The contents are not binding and are for guidance only. Improvements and/or design changes may alter specifications. Dimensions and masses are subject to manufacturing tolerances. Illustrations may depict options or non-standard equipment.