



UD TRUCKS

Quon

UD 460 WT AHR



ENGINE

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 tap
Filtration (Oil):	Bypass oil filter

PTO

Location:	Optional – Rear of transmission
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AIR CLEANER

Intake:	Raised behind cab
Model:	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

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

BRAKES

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

FRONT AXLE

Type:	FF85 drop-forged "I" beam with reverse "Elliot" steering knuckles
Suspension:	Taper leaf spring with double-acting telescopic shock absorbers
Stabiliser:	Fitted to front axle

REAR AXLE

Type:	RW1A dual-drive bogie with single reduction hypoid differentials and lockable inter-axle differential
Suspension:	Hendrickson air suspension with shock absorbers Levelling valve for fixed height

WHEELS AND TYRES

Rims:	9.00 X 22.5 – 175 single-piece steel discs
Tyres:	Tubeless radials

Tyres:	Front 315/80 R22.5 Rear 315/80 R22.5
Spare wheel mounting:	Temporary mounted on 5th wheel
Size:	315/80 R22.5
Optional extra:	385/65 R22.5 front tyres only

STEERING

Type:	Recirculating ball, 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

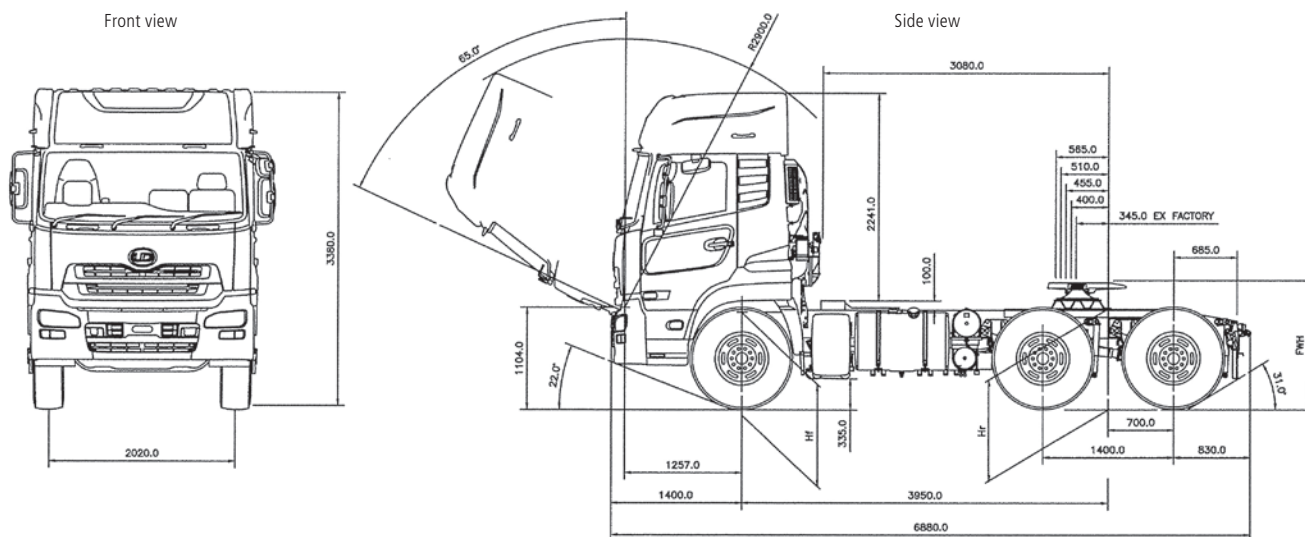
Primary:	400ℓ Aluminium
Secondary:	400ℓ Aluminium
Feature:	Lockable fuel cap

ELECTRICAL SYSTEM

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
- Double sleeper compartment with under bed storage, wardrobe and mattress
- Climatic controlled air conditioner
- Radio/CD-player
- 2 Centre overhead parcel boxes
- Adjustable air suspended driver's seat, including lumbar support and integral headrest
- Fixed assistant's seat – fold-up type with integral headrest
- 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 – remote control
- All-round curtains fitted inside cab
- Hand trailer control brake with auto return function
- Cab step & grip handle for access to rear of cab
- Rear working light
- Hot/Cold function centre console
- Hot/Cold function cup holders
- Cruise control (active 60~80 km/h)
- Speed limiter standard – 90km/h, options 80, 100, 110 km/h

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

Tare mass chassis/cab:	8 480 Kg
Tare mass on front axle:	4 680 Kg
Tare mass on rear axle/bogie:	3 800 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

Wheelbase (WB):	3 950 mm
Overall length (OL):	6 885 mm
Overall width (OW):	2 515 mm
Overall height (OH):	3 380 mm
Frame height unladen (front):	1 031 mm
Frame height unladen (rear):	1 053 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):	835 mm
Centre of rear axles to rear of cab (CA):	3 080 mm
Chassis width:	840 mm
Cab tilt angle:	65 degrees
Turning circle:	17 000 mm
Max allowable fifth wheel offset:	565 mm

MISCELLANEOUS EQUIPMENT

Jack, warning triangle, basic tool kit, owner's handbook/service booklet
Jost JSK 37C fifth wheel
Rear chevron board and brake/electrical trailer couplings
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.