



UD TRUCKS

# Quon

UD460KTHR



## ENGINE

Engine model:	UD Trucks GE 13 TD
Engine type:	Turbo charged intercooled, 6 cylinder in-line with 4 valve technology
Displacement:	13 074cm <sup>3</sup>
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 – LHS 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

Type:	12-Speed synchromesh
Controls:	Electronic automatic gearshift

## BRAKES

Service brakes:	Dual circuit full air with EBS. 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 retarder:	Electrical compact retarder
Braking Torque:	500 Nm

## FRONT AXLE

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

## REAR AXLE

Type:	UD Trucks RS1AA single axle. Fully floating, cast banjo type housing
Suspension:	Taper leaf with double acting telescopic shock absorbers

## WHEELS AND TYRES

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 mounting:	Temporary mounted on 5th wheel
Size:	315/80 R22.5

## STEERING

Type:	Recirculating ball, power assisted
No of turns lock to lock:	5

## CHASSIS

Type:	High tensile, reinforced parallel ladder frame
Frame section (Main):	275mm X 90mm X 7mm

## FUEL TANK

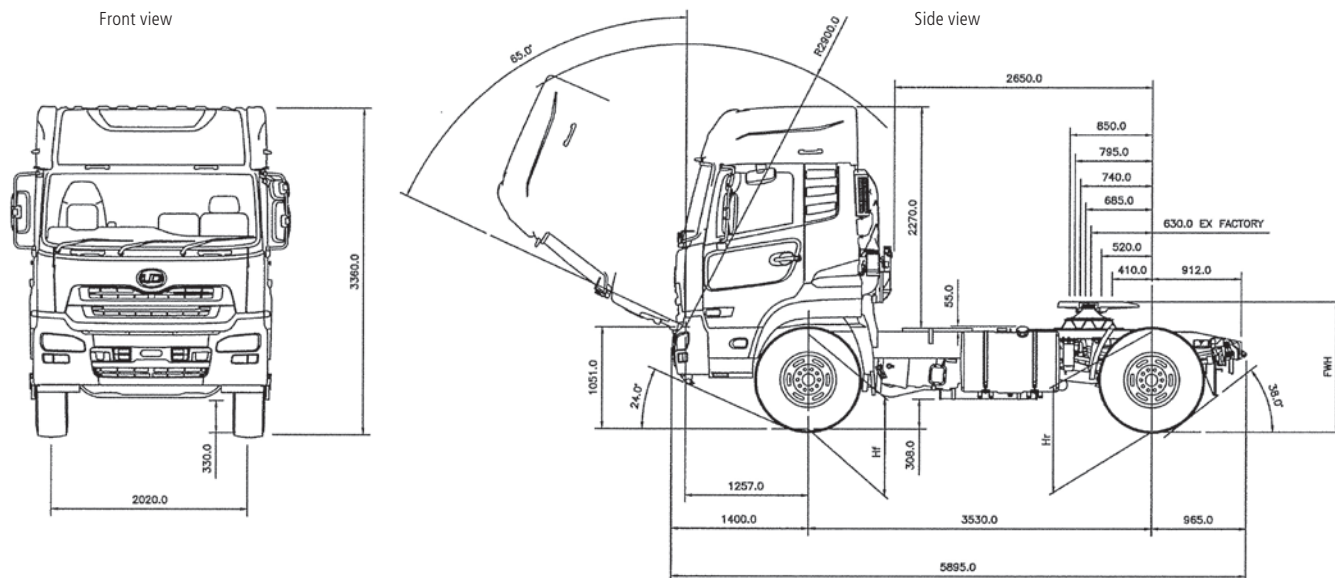
Primary:	400L Aluminium
Feature:	Lockable fuel cap

## 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 & 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 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 – with key
- 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
- 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: 4.100

## MASS INFORMATION

Tare mass chassis/cab:	6 760 Kg
Tare mass on front axle:	4 470 Kg
Tare mass on rear axle/bogie:	2 290 Kg
Manufacturer's gross front axle massload (GA):	8 500 Kg
Manufacturer's gross rear axle and massload (GA/GAU):	12 500 Kg
Manufacturer's gross vehicle mass (GVM):	18 000 Kg
Manufacturers gross combination mass (GCM):	45 000 Kg
Max permissible front: axle massload (A)	7 500 Kg
Max permissible rear/unit massload (A/AU):	9 000 Kg
Max permissible vehicle mass (V):	16 500 Kg
Max permissible drawing vehicle mass (D/T):	45 000 Kg

## DIMENSIONS

Wheelbase (WB):	3 530 mm
Overall length (OL):	5 895 mm
Overall width (OW):	2 515 mm
Overall height (OH):	3 380 mm
Frame height unladen Frt:	978 mm
Frame height unladen RR:	1 035 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):	965 mm
Centre of rear axles to rear of cab (CA):	2 650 mm
Chassis width:	840 mm
Cab tilt angle:	65 degrees
Turning circle:	13 680 mm
Max allowable fifth wheel offset:	850 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 lever (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	10.729	9	5	90.71%	36.29%
2ND	8.702	11	7	73.58%	29.43%
3RD	6.575	15	9	55.59%	22.24%
4TH	5.333	18	11	45.09%	18.04%
5TH	3.649	26	16	30.85%	12.34%
6TH	2.959	32	19	25.02%	10.01%
7TH	2.236	43	26	18.91%	7.56%
8TH	1.813	53	32	15.33%	6.13%
9TH	1.464	66	39	12.38%	4.95%
10TH	1.187	81	49	10.04%	4.01%
11TH	1.000	96	58	8.46%	3.38%
12TH	0.811	118	71	6.86%	2.74%
REV	9.563	10	6	80.86%	32.34%
REV	7.756	12	7	65.58%	26.23%

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.