



UD TRUCKS

**Quon**

UD 390 WT



### ENGINE

Engine model:	UD Trucks GE 13 TB
Engine type:	Turbo charged intercooled, 6 cylinder in-line with 4-valve technology
Displacement:	13 074 cm <sup>3</sup>
Injection System:	Electronically controlled unit injectors
Maximum power output:	286 kW @ 1 800 r/min
Maximum torque:	1 716 Nm @ 1 100 r/min
Filtration (Fuel):	Primary & secondary, secondary with water-trap
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

Model:	UD Trucks APR90A
Type:	9-speed synchromesh, constant mesh 1 <sup>st</sup> gear
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, 500 Nm

### FRONT AXLE

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

### REAR AXLE

Type:	RW1A dual-drive bogie with single reduction hypoid differential
Suspension:	Trunnion-mounted inverted semi-elliptic multi-leaf springs
Differential lock type:	inter-axle

### 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 5 <sup>th</sup> wheel
Size:	315/80 R22.5

### STEERING

Type:	Power assisted, recirculating ball
No of turns lock to lock:	5

### CHASSIS

Type:	High tensile, reinforced parallel ladder frame
Frame section:	300 x 85 x 8 mm

### FUEL TANK

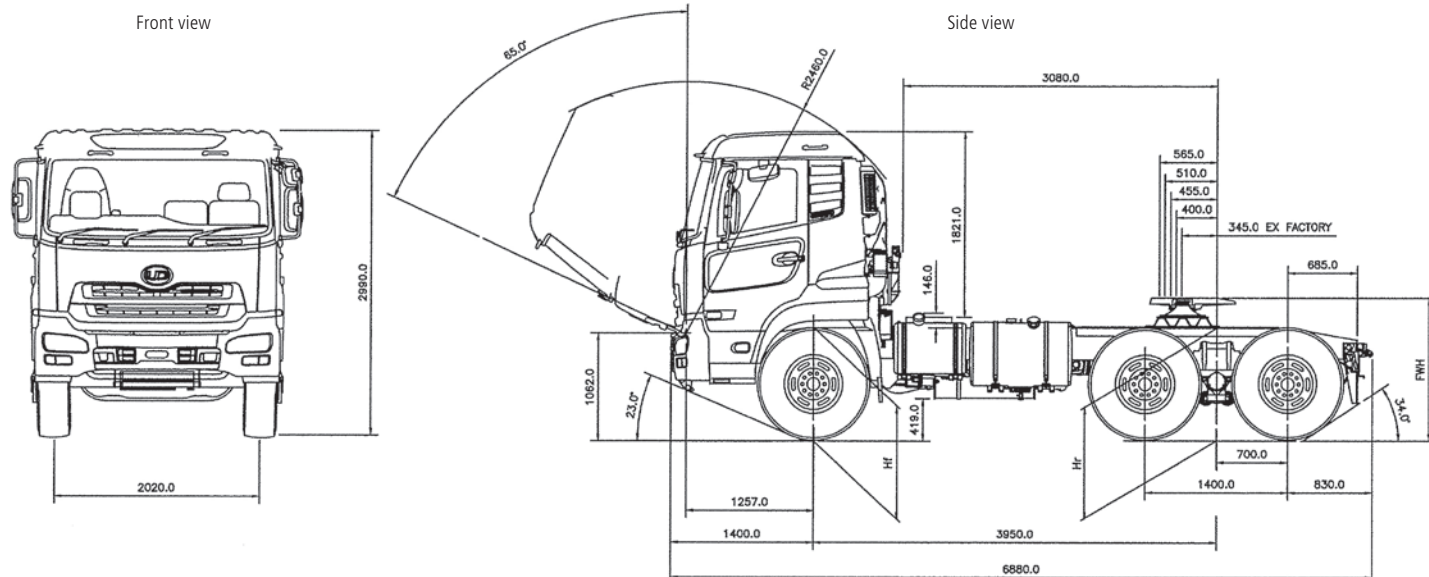
Primary	400ℓ Aluminium
Secondary	200ℓ Aluminium
Feature	Lockable fuel cap

### 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
- 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
- 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 4.7 ℓ)
- 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
- 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: 5.143

## MASS INFORMATION

Tare mass chassis/cab (without fuel, driver, sparewheel – with tools):	8 500 kg
Tare mass on front axle:	4 440 kg
Tare mass on rear axle/bogie:	4 060 kg
Manufacturer's gross front axle massload (GA):	8 500 kg
Manufacturer's gross rear axle/unit mass load (GA/GAU):	21 000 kg
Manufacturer's gross vehicle mass (GVM):	26 000 kg
Manufacturers gross combination mass (GCM):	50 000 kg

Max permissible front axle massload (A):	7 500 kg
Max permissible rear axle/unit massload (A/AU):	18 000 kg
Max permissible vehicle mass (V):	25 500 kg
Max permissible drawing vehicle mass (D/T):	50 000 kg

## DIMENSIONS

Wheelbase (WB):	3 950 mm
Overall length (OL):	6 880 mm
Overall width (OW):	2 515 mm
Overall height (OH):	2 990 mm
Frame height unladen (front):	1 019 mm
Frame height unladen (rear):	1 110 mm
Ground clearance:	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):	830 mm
Centre of bogie to rear of cab (CA):	3 080 mm
Chassis width:	840 mm
Turning circle:	17 000 mm
Cab tilt angle:	65 degrees
Maximum allowable 5th wheel offset:	565 mm

## MISCELLANEOUS EQUIPMENT

Jack, warning triangle, basic toolkit, owner's handbook & service booklet  
 Jost JSK 37C fifth wheel  
 Rear chevron board  
 Brake/Electrical trailer couplings  
 PTO failsafe controls (park brake "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	10.164	8	4	73.37%	29.75%
2ND	6.582	12	7	47.51%	19.27%
3RD	4.673	17	10	33.73%	13.68%
4TH	3.388	24	13	24.46%	9.92%
5TH	2.544	32	18	18.36%	7.45%
6TH	1.942	42	23	14.02%	5.68%
7TH	1.379	59	32	9.95%	4.04%
8TH	1.000	81	45	7.22%	2.93%
9TH	0.751	108	59	5.42%	2.20%
Rev	10.164	8	4	73.37%	29.75%

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.