



UD TRUCKS

UD 100 A

Freight Carrier – T70



ENGINE

Type:	UD Trucks FE 6TC
Configuration and number of cylinders:	Direct injection, turbocharged intercooled in-line 6 cylinder diesel
Displacement:	6 925 cm ³
Maximum power output:	190 kW @ 2 800 r/min
Maximum torque:	710 Nm @ 1 800 r/min
Governor type:	RED electronic (all speed)

CLUTCH

Type:	Borg & Beck CL 810 380mm single dry plate
Operation:	Boosted hydraulic with automatic adjustment
Disc diameter:	380 mm
Friction area:	1 194 cm ²

TRANSMISSION

Make:	EATON FS6109
Type:	9 speed synchronised

BRAKES

Service brakes:	Dual circuit air assisted hydraulic drum brakes all-round
Emergency/Parking brake:	Spring brakes on rear axle
Engine brake:	Remote mounted exhaust brake with lever switch on steering column
Total brake lining area:	4 544 cm ²

WHEELS AND TYRES

Rims:	7,5 x 22,5 single piece steel disc
Tyres:	11R22,5 –16 PR tubeless radial – highway pattern all-round
Spare wheel:	Slung from a winch type carrier under rear of chassis

FRONT AXLE

Type:	FA50 drop forged "I" beam with reverse "Elliot" steering knuckles
Suspension:	Semi-elliptic steel leaf springs with dual acting telescopic shock absorbers

REAR AXLE

Type:	RS90 single reduction hypoid differential
Suspension:	Semi-elliptic steel leaf springs with dual acting telescopic shock absorbers

CHASSIS

Type:	Reinforced parallel ladder frame with riveted cross members
Frame section:	250 mm x 80 mm x 8 mm plus 3,2 mm reinforcement

STEERING

Type:	Recirculating ball and screw integral power steering
Ratio:	22,42 : 1
Number of turns lock to lock:	5.5

CAB

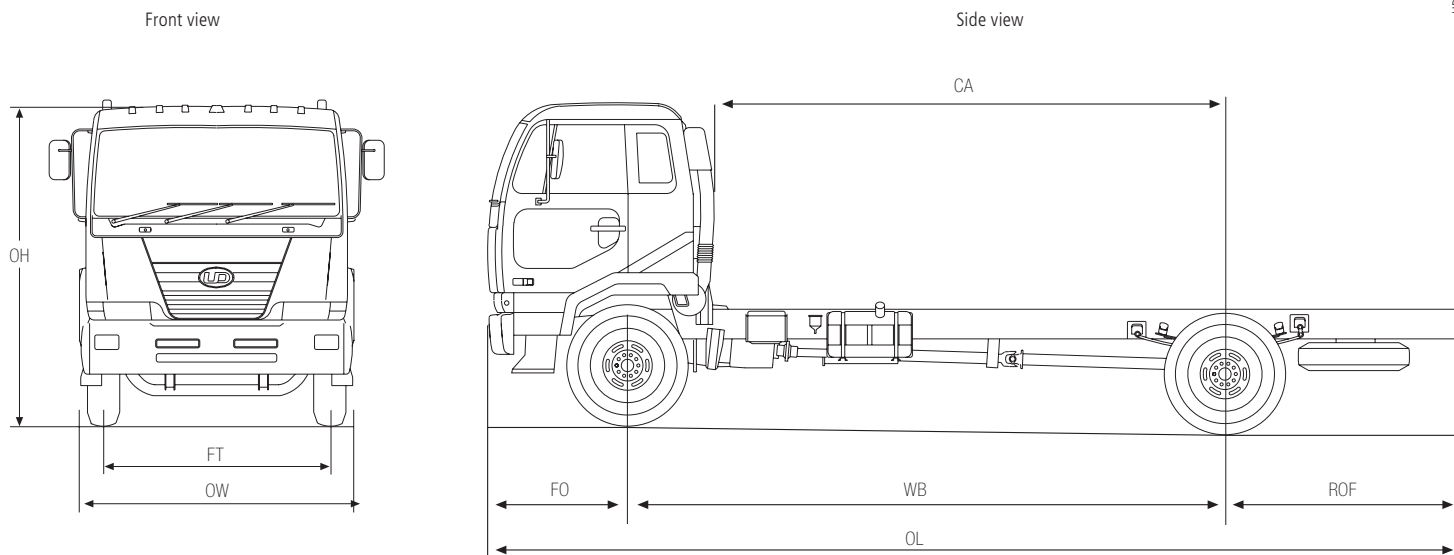
- "Wide" steel/composite forward control suspension tilt cab
- Three windscreen wipers, two speeds plus intermittent setting
- Four external rearview mirrors mounted on cab doors
- Fully adjustable, mechanical suspension driver seat
- Fixed assistant's and centre seat
- Heater/demister with 4-speed blower
- Steering column adjustable for height and rake
- Cigarette lighter
- Column mounted controls for lights, indicators, windscreen wipers/washers, exhaust brake and horn
- Safety belts: 3 point driver & passenger, lap belt for centre seat

INSTRUMENTS

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

ELECTRICAL EQUIPMENT

Alternator	Bosch 28 V, 50 A
Starter motor	24 V, 4 kW
Batteries	2 x 12 V, 65 Ah, Code 656



CLEAN AIR SYSTEM

Air cleaner type: Donaldson cyclonic with dry paper safety and primary elements, restriction indicator
 Air cleaner: 330 mm in diameter

Centre of rear axle to rear of cab (CA)	4 805 mm
Chassis width	860 mm
Cab tilt angle	45 degrees
Turning circle	19.2 m
Fuel tank capacity	300 litres

MISCELLANEOUS EQUIPMENT

Toolkit, jack, warning triangle, owner's handbook/service booklet, electric windows, fog lamps.
 Air conditioner optional.

MASS INFORMATION

Tare mass chassis / cab	4 690 kg
Tare mass on front axle	2 740 kg
Tare mass on rear axle/bogie	1 950 kg
Legal body and payload allowance	10 315 kg
Manufacturer's gross front axle massload (GA)	6 000 kg
Manufacturer's gross rear axle / unit massload (GA/GAU)	9 200 kg
Manufacturer's gross vehicle mass (GVM)	15 000 kg
Manufacturer's gross combination mass (GCM)	28 000 kg
Max permissible front axle massload (A)	6 000 kg
Max permissible rear axle / unit massload (A/AU)	9 000 kg
Max permissible vehicle mass (V)	15 000 kg
Max permissible drawing vehicle mass (D/T)	28 000 kg

DIMENSIONS

Wheelbase (WB)	5 650 mm
Overall length (OL)	9 530 mm
Overall width (OW)	2 375 mm
Overall height (OH)	2 715 mm
Frame height unladen - front	970 mm
Frame height unladen - rear	1 080 mm
Ground clearance	265 mm
Track front (FT)	1 935 mm
Track rear	1 800 mm
Overhang front (FO)	1 280 mm
Overhang rear (ROF) (to end of frame)	2 600 mm
Centre of front axle to rear of cab	845 mm

PERFORMANCE DATA

Final drive ratio	4.875 : 1
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PERFORMANCE DATA

GEAR	GEAR RATIO :1	ROAD SPEED @ MAX R/ MIN (Km/h)	ROAD SPEED @ MAX TORQUE (Km/h)	GRADEABILITY @ V %	GRADEABILITY @ D/T %
1	12.637	9	6	51.65	27.67
2	8.806	13	8	35.99	19.28
3	6.550	18	11	26.77	14.34
4	4.768	25	15	19.49	10.44
5	3.548	33	20	14.50	7.77
6	2.481	48	29	10.14	5.43
7	1.845	64	38	7.54	4.04
8	1.343	88	53	5.49	2.94
9	1.000	118	71	4.09	2.19
REVERSE	13.210	9	5	53.99	28.92

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.