



TYRES	A	B	C
295/60 R 22,5	3070	920	1916
11 R 22,5	3138	1099	1984
10.00 R 20	3139	1100	1985
295/80 R 22,5	3140	1101	1986
11.00 R 20	3155	1171	2001

WHEELBASE D	E	F
2900	2055	2003
3100	2255	2203
3300	2455	2403

ENGINE

Cummins, 6BTA 5.9-C174 Elite

Six-cylinder four stroke direct injection diesel engine with turbo charging

Displacement: 5,88 dm³

Bore: 102 mms

Stroke: 120 mms

Compression ratio: 17,0:1

Coolant capacity 40 dm³

Oil capacity: 16,4 dm³

Output: 129 kW (173 Hp) at 2500 rpm.

Torque: 621 Nm at 1500 rpm.

Acc. SAE J1995

GEARBOX

Allison, type MT 643

Automatic shift transmission with 4 gears forward and 1 gear reverse.

Gear theoretical speed ratio's [km/h]

3.583 9 (F1)

2.093 15 (F2)

1.387 26 (F3)

1.00 40 (F4)

5.674 7 (R)

(Tyresize 11R22.5, Axleratio 12.6:1)

Optional:

- Allison MD3060
4 gears forward, 1 gear reverse
(9.45 & 12.6 axle ratio only)
- Clark powershift R 32000
4 gears forward and reverse.
(16.33 axle ratio only)

FRONT AXLE

Volvo

Steering axle with oil greased bearings

Capacity: 11.000 KGs (at 20 km/h)*

* depending on tyre rating

REAR AXLE

Arvin Meritor

Reduction ratio 12.6:1

Capacity: 35.000 KGs (at 20 km/h)*

* depending on tyre rating

Optional:

- Axle ratio 9,45:1
- Axle ratio 16,33:1

SUSPENSION

Front: Parabolic leafsprings in rubber mountings with 2 telescopic shockabsorbers.

Maintenance free system.

Rear: Directly bolted to chassisframe.

Optional:

- Leafspring mounted with rubber stops and triangle stabiliser.
- Air-suspension with rubber stops and triangle stabiliser.

RIMS AND TYRES

Tyres: 11R22,5 (6 pieces)

Rims: 10 stud discwheels 22,5 x 7,5

STEERING SYSTEM

Fully hydrostatic orbitrol steeringssystem with priority valve and double acting steering cylinder. Emergency steering property. Steeringwheeldiameter 350 mm

Turningcircle over frontbumper (m)

W.B.

2900 12,6

3100 13,0

5TH WHEEL

2" Cast steel plate

Technical capacity 35.000 kgs.

Lifting capacity 28.000 kgs.

Automatic locking of jawsystem. Pneumatic unlocking of 5th wheel, operated from cabin.

Indicatorlight for positive locking inside the cabin.

Optional:

- 32.000 kgs lifting capacity
- 34.000 kgs lifting capacity

HYDRAULIC SYSTEM

Engine driven hydraulic pump for steering and lifting 5th wheel plate, directly mounted to engine, with priority valve for the steering system. Hydraulic oiltank protected mounted to the chassisframe. Tank capacity 50 dm³.

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Hydraulic valve pneumatically operated from inside the cab to lift/lower/hold the 5th wheel.

Working pressure 230 Bar

2 heavy-duty hydraulic single stage lifttrams

CHASSIS

Welded construction of rolled steel channels 200x100x10 mm

Airreservoirs and fuel tank protected mounted to the chassis, access steps with anti-slip surface integrated in chassis.

Towing pin attachment at front- and rear.

BRAKE SYSTEM

Full air brakesystem with split front- and rear-axle circuits.

Frontaxle with Z cam-brake system, rearaxle with Duplex wedge-brake system. Automatic adjusters front and rear. Tankreservoirs: 3 x 40 dm³.

2 Line trailerbrakesystem mounted on rearside of cabin, with yellow and red spiralhoses with glad-hands. Airdryer. Brakecylinders: Frontaxle diagram and Rearaxle springbrake.

Brake pressure: 7.5-8.1 Bar

FUEL TANK

Capacity 200 dm³ and integrated with hydraulic tank.

COOLING SYSTEM

Fin and tube type radiator of heavy-duty construction mounted on rubber silentblocks with separate air to air transmission oilcooler

EXHAUST

Muffler with vertical pipe.

Exhaustpipe in critical area protected with steel grille.

ELECTRICAL SYSTEM

24 Volt negative earth.

Alternator : 28 V/70 A

Batteries : 2 x 12 Volt / 135 Ah

Output starter : 4 kW

Fuses and relays mounted in central electrical box.

Wiring with code numbers and easy readable/visible mounted in central electrical box.

7 pin S.A.E. socket at rear of cab for trailer connection (DIN ISO 1185).

LIGHTING

H4 headlights with dipped and mainbeam and direction indicators.

Rearlights mounted behind cabin, with direction indicators and brake lights.

5th wheel floodlight behind cabin.

Gauge illumination.

Interior light in cabin.

Mounting for rotating beaconlight

CABIN

1 person - left hand drive position.

Forward facing drivers position.

Dimensions outside:

- width : 1160 mm
- length : 1255 mm top
1525 mm bottom
- height : 1565 mm

Cabin construction of overdimensioned strong steel profiles to resist latest Rops/Fops regulations. Cab mounted on 3 anti-vibration mounts in combination with shock absorbers.

Entrance to cab by inboard door for safe and easy entrance/exit to/from drivers position.

Horizontal sliding window at drivers side

Cabin can be tilted with hydraulic handpump to 55°

Large windows with excellent visibility. All windowpanes hardened safety glass.

Noise insulation exceeds international standards.

Driversseat with airsuspension and fully adjustable, mounted on console Demister/heater with 3 speed blower and recirculation system.

Steering column with 1 brake pedal and 1 accelerator pedal, mounted at right side of column.

Front dashboard switches:

- Ignition
- Preheating engine
- Differentiallock
- Worklight
- Hazard lights
- Lighting
- Gear selector
- Switches for:
 - * 5th wheel high/low
 - * 5th wheel unlocking (2x)
- Indicatorlights:
 - * Preheating engine (Dep. engine type)

- * Alternator charging
- * Direction indicator
- * Hi beam
- * Differential lock
- * Handbrake activated
- * Airfilter clogged

- Voltmeter
- Engine revolution counter
- Running hours counter
- Indicator lights/check system with optical signal and buzzer on:
 - * High temperature gearbox
 - * Low oil pressure engine
 - * High temperature engine
 - * Low airpressure circuit 1
 - * Low airpressure circuit 2
 - * Low fuel level
 - * Low voltage

Steering column:

- Combi switch for:
 - * Direction indicators
 - * Wiper front
 - * Hi/Low beam
 - * Horn