

### ENGINE

#### Cummins QSB6.7-173 (Tier 3/Stage 3A)

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

Displacement: .....6,7 dm<sup>3</sup>  
Bore: ..... 107 mm  
Stroke: ..... 124 mm  
Compression ratio: ..... 17,2 : 1  
Output:..... 129 kW (175 Hp) at 2200 rpm  
Torque:.....800 Nm at 1400 rpm

**Acc. to ECE R120**

#### Optional:

#### Mercedes OM924LA (Tier 4i/Stage 3B)

Four-cylinder four-stroke direct injection diesel engine with turbo charging and intercooler.

Engine equipped with Mercedes (Ad-Blue) system including SCR-catalyst.

Displacement: .....4,8 dm<sup>3</sup>  
Bore: ..... 106 mm  
Stroke: ..... 136 mm  
Compression ratio: ..... 17,5:1  
Output:..... 129 kW (175 Hp) at 2200 rpm  
Torque:..... 675 Nm at 1200-1600 rpm

**Acc. to ECE R120**

#### Cummins ISB6.7E5-205 (Euro 5)

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

Engine equipped with Cummins (Ad-Blue) system including SCR-catalyst.

Displacement: .....6,7 dm<sup>3</sup>  
Bore: ..... 107 mm  
Stroke: ..... 124 mm  
Compression ratio: ..... 17,3 : 1  
Output: ..... 146 kW (198 Hp) at 2300 rpm  
Torque: ..... 735 Nm at 1100-1800 rpm

**Acc. to ECE R24**

#### Only for use outside EU/US/Canada:

#### Mercedes OM906LA (Tier 3/Stage 3A)

Six cylinder four-stroke direct injection electronically controlled diesel engine with turbo charging and intercooler.

Displacement: ..... 6,4 dm<sup>3</sup>  
Bore: .....102 mm  
Stroke: ..... 130 mm  
Compression ratio: .....18,0 : 1  
Output: .....130 kW (177 Hp) at 2200 rpm  
Torque: ..... 700 Nm at 1200-1600 rpm

**Acc. ECE R120**

### GEARBOX

#### Allison, type 3000

Automatic shift transmission with 4 gears forward, 1 gear reverse and torque converter equipped with Lock-Up clutch. Including std. F/R shift protection.

Gear ratio's	theoretical speed (2200rpm)
	[km/h]
3.487	13 (F1)
1.864	24 (F2)
1.409	32 (F3)
1.00	45 (F4)

Note: speed is 37km/h@1820 engine rpm  
5.027 9 (R)

(Tyresize 11R22.5, axleratio 9.49:1)

#### Optional:

#### ZF, type 3WG161\*

- Powershift transmission with high efficiency torque converter and 3 gears forward and 3 gears reverse.

#### ZF, type 5WG191 with Lock-Up\*

- Powershift transmission with high efficiency torque converter with Lock-Up clutch and 5 gears forward and 3 gears reverse.

\* Only in combination with TTA70-11 rear axle with 11,98:1 ratio

### FRONT AXLE

#### Terberg TTA type 60-xx

Non-driven steering axle

Capacity: 10.000 kg (at 20 km/h)\*

\* Actual axle load capacity depending on tyre load rating.

### REAR AXLE

#### Terberg TTA type 70-01

Capacity 30.000 kg (at 20 km/h)\*

Hub reduction axle with total reduction ratio 9,49:1

#### Optional:

#### Terberg TTA type 70-11 (11,98:1)

\* Actual axle load capacity depending on tyre load rating.

### SUSPENSION

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

Maintenance free system.

**Rear:** Directly bolted to chassisframe.

#### Optional:

- Air suspension with rubber stops

### RIMS AND TYRES

**Tyres:** 11R22.5 (6 pieces)

**Rims:** 10 stud discwheels 22.5 x 8.25

### STEERING SYSTEM

Fully hydrostatic orbitrol steering system with priority valve and double acting steering cylinder.

Emergency steering property.

Steering wheel diameter 350 mm

Turning circle over front bumper (m)

WB 3100 13,0

WB 3300 13,5

WB 3500 14,1

### 5<sup>th</sup> WHEEL

#### Terberg 2" cast steel plate

Technical capacity 36.000 kg.

Lifting capacity 31.000 kg\*.

Automatic locking of jawsystem. Pneumatic unlocking of 5<sup>th</sup> wheel, operated from cabin.

Indicatorlight for positive locking inside the cabin.

#### Optional:

- 27.000 kg\* lifting capacity (for ultra low 5<sup>th</sup> wheel height)

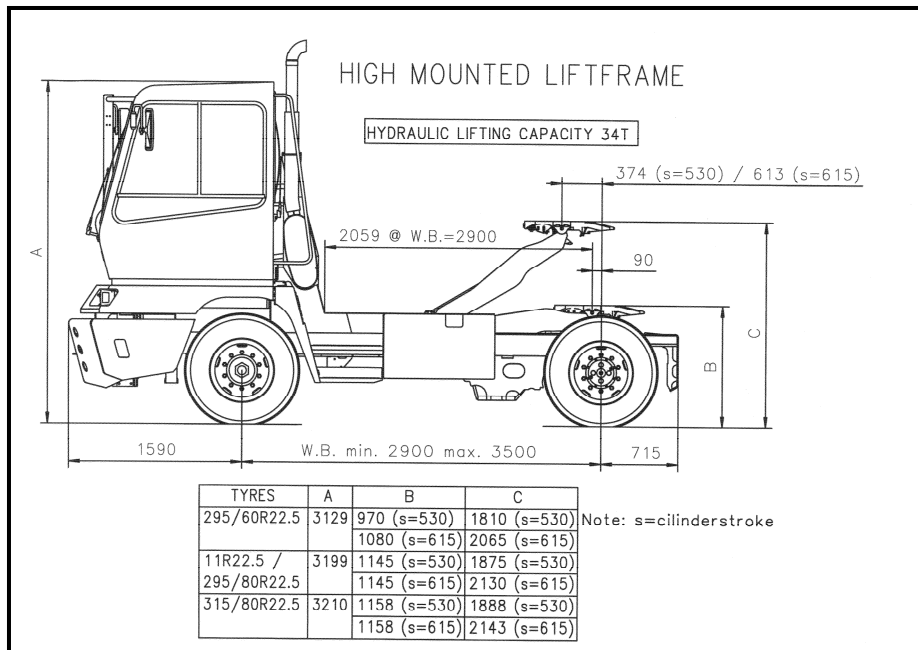
- 34.000 kg\* lifting capacity

\* Actual lifting capacity depending on tyre load ratings and 5<sup>th</sup> wheel height.

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## HYDRAULIC SYSTEM

Engine driven hydraulic pump for steering and lifting 5<sup>th</sup> wheel plate, directly mounted to the engine, with priority valve for the steering system.

Hydraulic oil tank protected mounted to the chassis frame.

Tank capacity 50 dm<sup>3</sup>.

Hydraulic valve pneumatically operated from inside the cab to lift/lower/hold the 5<sup>th</sup> wheel. Working pressure 250 bar.

2 heavy-duty hydraulic single stage lift rams.

## CHASSIS

Welded construction of rolled steel channels 200x100x10 mm

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

Towing pin attachment at front- and rear of chassis.

## BRAKE SYSTEM

Full air brake system with split front- and rear-axle and parking brake circuits. Parking brake working on rear axle.

Front and rear axle equipped with S-cam brake system with automatic slack adjusters.

Brake pressure: 7,5 – 8,1 bar.

Air reservoirs: 2 x 40 dm<sup>3</sup> and 1 x 30 dm<sup>3</sup> with std. air dryer.

2 Line trailer brake system mounted on rear side of cabin, with yellow and red spiral hoses with glad-hands.

## FUEL TANK

Capacity 200 dm<sup>3</sup> and integrated with hydraulic tank.

## COOLING SYSTEM

Plate and bar type radiator of heavy-duty construction mounted on rubber silent blocks with separate air to air transmission oil cooler and engine intercooler all mounted side by side.

## EXHAUST

Vertically mounted muffler with curved end pipe and protected in critical areas with stainless steel protection grilles.

## ELECTRICAL SYSTEM

24 Volt negative earth.

Alternator : 28V/70A (Cummins)

Alternator : 28V/80A (Mercedes)

Batteries : 2 x 12 Volt / 135 Ah

Output starter : 8,0 kW (Cummins)

Output starter : 3,9 kW (Mercedes)

Fuses and relays mounted in central electrical box.

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

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

## LIGHTING

H4 headlights with dipped and main beam and direction indicators.

LED rear lights on rear of chassis, with direction indicators and brake lights.

5<sup>th</sup> wheel floodlight behind cabin.

Gauge illumination.

Interior light in cabin.

Mounting for rotating beacon light.

## CABIN

1 person – left hand or right hand drive position.

Forward facing driver's position.

## Dimensions outside:

- width : 1400 mm
- length : 1593 mm
- height : 1821 mm

Cabin construction of overdimensioned strong steel profiles to comply to latest Rops/Fops regulations.

Cab mounted on 3 anti-vibration mounts in combination with shock absorber.

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

Horizontal sliding window at driver's side

Large windows with excellent visibility.

All window panes tinted hardened safety glass except front window which is layered.

Noise insulation exceeds international standards.

Cabin can be tilted with hydraulic hand pump to 65°

Driver's seat with air suspension and fully adjustable, mounted on console with generous storage space.

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
- Differential lock
- Worklight
- Hazard lights
- Lighting
- 5<sup>th</sup> wheel unlocking (2x)
- Indicator lights:
  - \* Alternator charging
  - \* Direction indicator
  - \* High beam
  - \* Differential lock (option)
  - \* Handbrake activated
  - \* Air filter clogged
- 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 air pressure circuit 1
  - \* Low air pressure circuit 2
  - \* Low fuel level
  - \* Low voltage

## Steering column:

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

## Optional:

- Co-driver foldaway seat