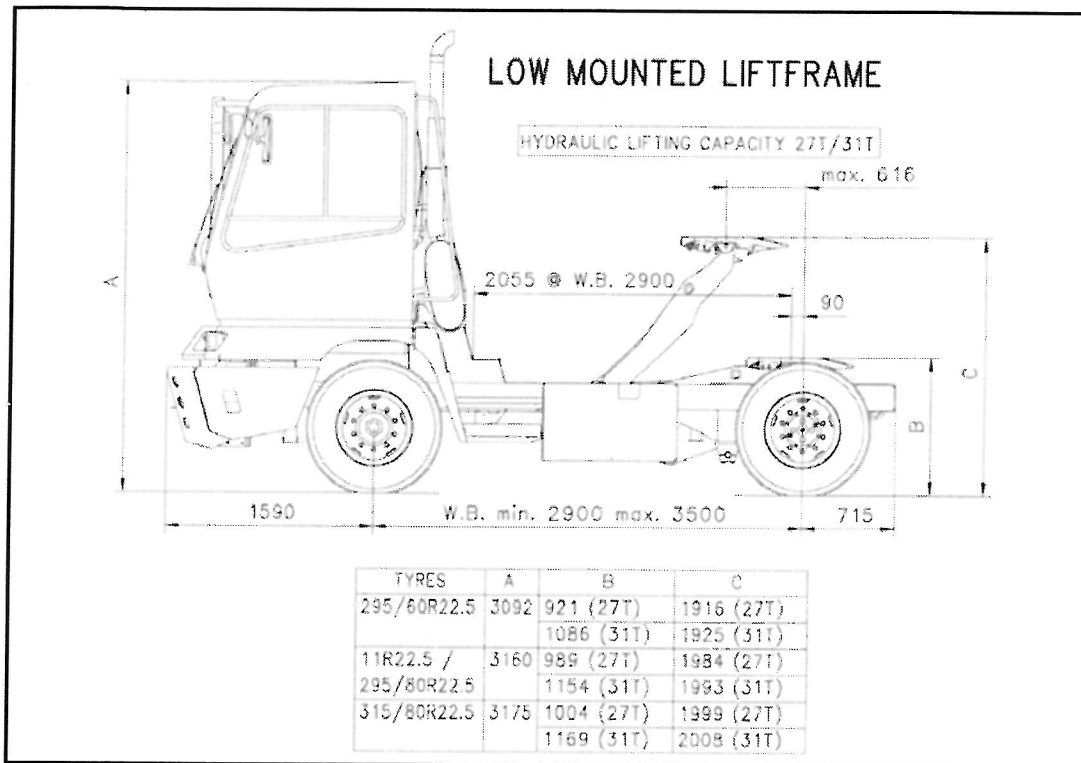




YT182, 4x2

Technical specification



180
65,000 L
10x5 US

ENGINE

Cummins, QSB6.7C-173 (Euromot IIIA)

Six-cylinder four stroke direct injection diesel engine with turbo charging and intercooler Cylinderhead with 4 valves/cylinder. Fuel system with electronically controlled Bosch High Pressure Commonrail fuel injection.

Displacement: 6,7 dm³

Bore: 107 mms

Stroke: 124 mms

Compression ratio: 17,2:1

Output: 129 kW (173 Hp) at 2200 Rpm.

133 kW (178 Hp) at 2000 Rpm.

Torque: 800Nm at 1500 Rpm.

Acc. SAE J1995.

GEARBOX

Allison, type 3000 series

Automatic shift transmission with 4 gears forward and 1 gear reverse and lock-up. Including F/R inhibitor.

Gear theoretical speed

ratio's [km/h]

3.487 12 (F1)

1.864 21 (F2)

1.407 28 (F3)

1.00 40 (F4)

5.027 8 (R)

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

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FRONT AXLE

Volvo

Steering axle with oil greased bearings

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

* depending on tyre rating

REAR AXLE

Axle - Tech

Reduction ratio 12.63:1

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

* depending on tyre rating

SUSPENSION

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

Maintenance free system.

Rear: Directly bolted to chassisframe.

RIMS AND TYRES

Tyres: 11R22,5 (6 pieces)

Rims: 10 stud discwheels 22,5 x 8,25

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 12,5

5TH WHEEL

2" Cast steel plate

Technical capacity 36.000 kgs.

Lifting capacity 31.000 kgs.

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

Indicatorlight for positive locking inside the cabin.

Option against surplus pricing:

- 34.000 kgs lifting capacity (find enclosed the drawing on the last specification page)
- 27.000 kgs lifting capacity for ultra low 5th wheel height

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.

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

Working pressure 250 Bar

2 heavy-duty hydraulic single stage liftrams

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CHASSIS

Welded construction of rolled steel channels 200x100x10 mm

Airreservoirs and fueltank protected mounted in steel boxes 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 heavy duty single jaw disc brake system. Automatic adjusters front and rear. Tankreservoirs: 2 x 40 dm³ and 1 x 30 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 and engine intercooler mounted side by side.

EXHAUST

Muffler with vertical pipe.

Exhaustpipe in critical area protected with stainlesssteel 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

Options included:

- Rotating warning beacon

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CABIN

1 person - left hand drive position.

Forward facing drivers position.

Dimensions outside:

- width : 1400 mm
- length : 1593 mm
- height : 1821 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 65°

Large windows with excellent visibility.

All windowpanes are tinted hardened safety glass, except front window which is layered.

Noise insulation exceeds international standards.

Drivers seat 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
- Differential lock
- Worklight
- Hazard lights
- Lighting
- Gear selector
- Switches for:
 - * 5th wheel high/low
 - * 5th wheel unlocking (2x)
- Indicator lights:
 - * Preheating engine
 - * 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

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Steering column:

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

Options included:

- 2 outside mirrors

CABIN INSTRUMENT:

Standard is mounted a Moto-Meter Combi instrument conform attached drawing.

The following functions are present:

- | | | |
|------------------------------|-------------------------|-------------------------|
| • Standard in display appear | at Contact switch "off" | *Running hours |
| • Standard in display appear | at Contact switch "on" | *R.p.m. and Diesel qty. |

Via the push buttons can be checked:

1. voltage
2. air pressure circuit 1
3. air pressure circuit 2
4. temperature coolant engine
5. temperature coolant transmission
6. oil pressure engine
7. diesel qty.

On these 7 functions the following checks are possible:

- press button for check of actual value
- first warning by the high/low value
- by flashing red light
- intermediate buzzer
- actual value in display intermediate
- In case values are reaching max./min. value:
 - flashing red light
 - continuous buzzer
 - actual value in display intermediate

At the righthandside of this Combi instrument is present:

A panel with controllights, with following functions:

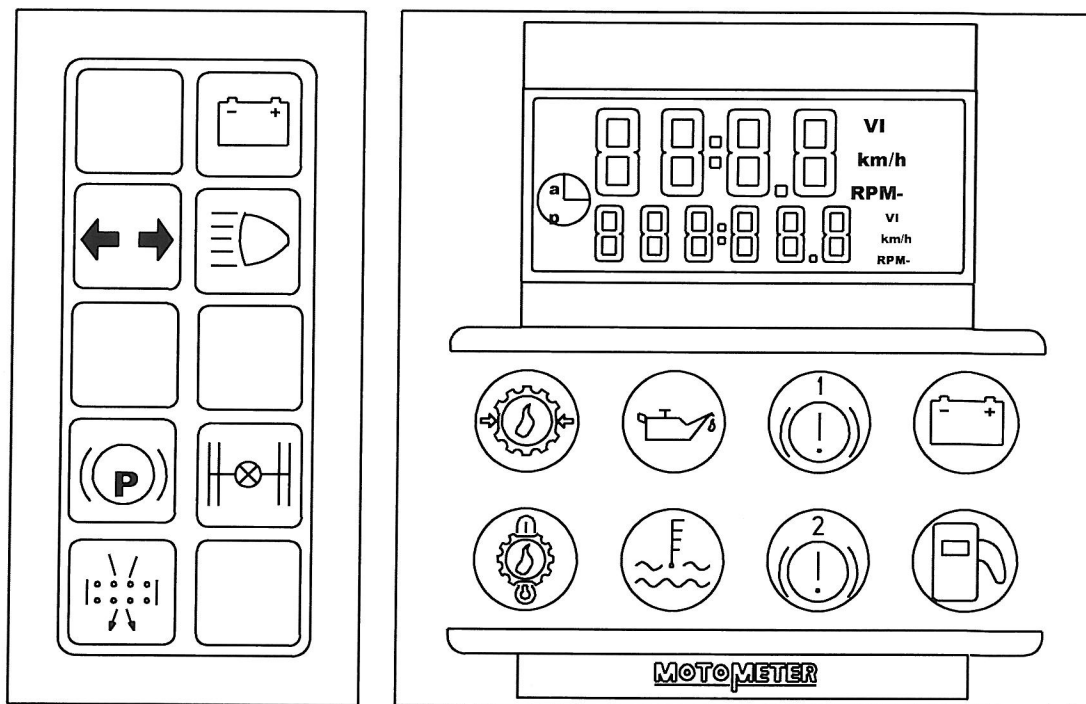
- Engine preheating
- Direction indicator
- Handbrake on
- Clogged airfilter
- Alternator charging
- Main beam
- Differential lock

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MULTIMETER:



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PAINT TREATMENT OF TERBERG TERMINAL TRACTORS

Cabin:

1. All steel parts of the cabin are shotblasted
2. All seams of the cabin are filled up with a sealing
3. The cabin is treated with a primer
4. The cabin is treated with a second layer of two component epoxy primer
5. The finishing layer is a PU finish paint.

The total dry thickness is $\pm 100 \mu\text{m}$.

Chassis and bodypanels:

Two component paint.

- 1) The complete chassis construction is shotblasted and painted with one two component primer layer.
- 2) Completed chassis and additional bodypanels are painted with a two component chassis coating
- 3) After assembling of the complete vehicle, the chassis is painted with a two component chassis coating

The gloss of the end layer is $\pm 70\%$.

The new paint system for the chassis and the bodypanels fulfils the latest environmental requirements

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OPTIONS INCLUDED:

Cabin

- 2 outside mirrors

Electric Installation

- Rotating warning beacon

OPTIONS AGAINST SURPLUS PRICING:

Cabin

- Air suspended cabin

Rear-axle

- Mudguards over rear-axle plastic