

# The **YT182**



 **TERBERG**  
**DTS UK**  
*Supplier of Specialist Vehicles & Support*



## > 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 Common Rail fuel injection.

Displacement: 6,7 dm<sup>3</sup>  
 Bore: 107 mms  
 Stroke: 124 mms  
 Compression ratio: 17,2:1  
 Output: 129kW (173Hp) at 2200Rpm  
 (133kW (178Hp) at 2000Rpm).  
 Torque: 800Nm at 1500Rpm  
 Acc. SAE J1995

### Optional:

#### Mercedes OM906LA (Euromot IIIA)

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

Displacement: 6,4 dm<sup>3</sup>  
 Bore: 102 mms  
 Stroke: 130 mms  
 Compression ratio: 18,0:1  
 Output: 130 kW (174Hp) at 2200 rpm.  
 Torque: 700 Nm at 1200-1600 rpm.  
 Acc. ECE 80/1269

## > GEARBOX

### Allison, type 3000

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

Gear ratio's	theoretical speed (2200rpm) [km/h]
3.487	10 (F1)
1.864	19 (F2)
1.409	25 (F3)
1.00	37 (F4)
5.027	7 (R)

(Tyresize 11R22.5, Axleratio 12.63:1)

### Optional:

- Clark powershift R32411 (4F/4R)\*
  - ZF powershift 3WG161 (3F/3R)\*\*
- \*Cummins 6BTAA/QSB6.7C and 16.21 axle ratio only  
 \*\*QSB6.7C-173 and Mercedes only

## > FRONT AXLE

### Volvo

Non-driven steering axle  
 Capacity: 11.000 KGs (at 20 km/h)\*  
 \* Actual axle load capacity depending on tyre load rating.

## > REAR AXLE

### Axletech5523SFD

Capacity 35.000 kgs (20 km/h)\*  
 Reduction ratio 12.63:1  
 \* Actual axle load capacity depending on tyre load rating.

### Optional:

- Axle ratio 9.61:1 or 16.21:1

## > 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 orbital steering-system with priority valve and double acting steering cylinder.  
 Emergency steering property.

Steeringwheel diameter 350 mm  
 Turningcircle over frontbumper (m)

WB 2900	12,5
WB 3100	13,0
WB 3300	13,5
WB 3500	14,1

### > 5TH WHEEL

**Terberg 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.

#### Optional:

- 27000 kgs\* lifting capacity (for ultra low 5th wheel height)
- 34.000 kgs\* lifting capacity

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

### > FUEL TANK

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

### > 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 dm<sup>3</sup>.

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.

### > CHASSIS

Welded construction of rolled steel channels 200x100x10 mm

Airreservoirs and fueltank 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 brakesystem with split front- and rear-axle and parkingbrake circuits.

Parkingbrake working on rear axle.

Frontaxle with Volvo Z-cam brake system.

Rearaxle with high capacity single jaw dry disk brake system.

Brake pressure: 7.5-8.1 Bar

Automatic slack adjusters front and rear.

Tankreservoirs: 2 x 40 dm<sup>3</sup> and 1x 30 dm<sup>3</sup> with std. Airdryer.

2 Line trailerbrakesystem mounted on rearside of cabin, with yellow and red spiralhoses with glad-hands.



## > 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 all mounted side by side.

## > EXHAUST

Vertically mounted muffler with curved endpipe 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 : 4 kW

Fuses and relays mounted in central electrical box.

Wiring with code numbers and easy readable/visible/accessible 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 or right 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 Large windows with excellent visibility. All windowpanes tinted hardened safety glass except front window which is layered.

Noise insulation exceeds international standards.

Cabin can be tilted with hydraulic handpump to 65°

Driversseat with airsuspension 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:

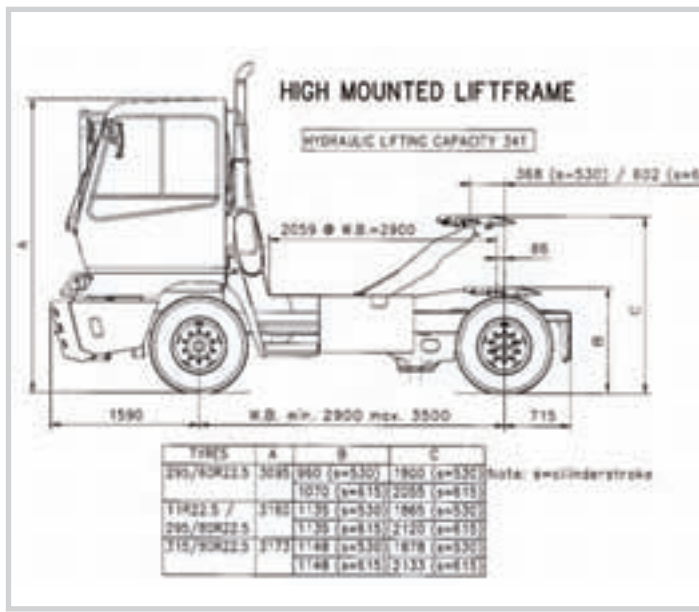
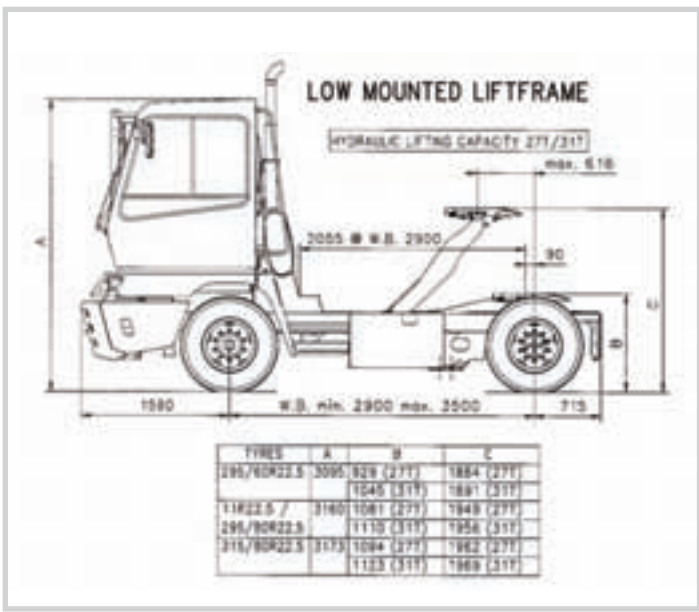
- Ignition
- Differentiallock
- Worklight
- Hazard lights
- Lighting
- 5th wheel unlocking (2x)
- Indicatorlights:
  - Alternator charging
  - Direction indicator
  - Hi beam
  - Differential lock
  - Handbrake activated
  - Airfilter clogged
- Engine revolution counter
- Running hours counter
- Indicator lights/check system with optical signal and buzzer on:
  - High temperature gearbox
  - Low oil pressure engine
  - High temperature engine
  - Low 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

### Optional:

- Co-driver foldaway seat





**Terberg DTS UK Ltd is the premier supplier of Elevating Fifth Wheel (Shunt) Tractors to the UK & Irish Distribution, Transport and Logistics Markets.**

From our purpose built Head Office & Control Centre, we operate a 24/7 service and support facility that backs up the supply of tractors in; new & used vehicle sales, rental and repair & maintenance contract segments of our business. Our primary aim is to ensure that the operation of Terberg product receives a level of support which is genuinely second to none.

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