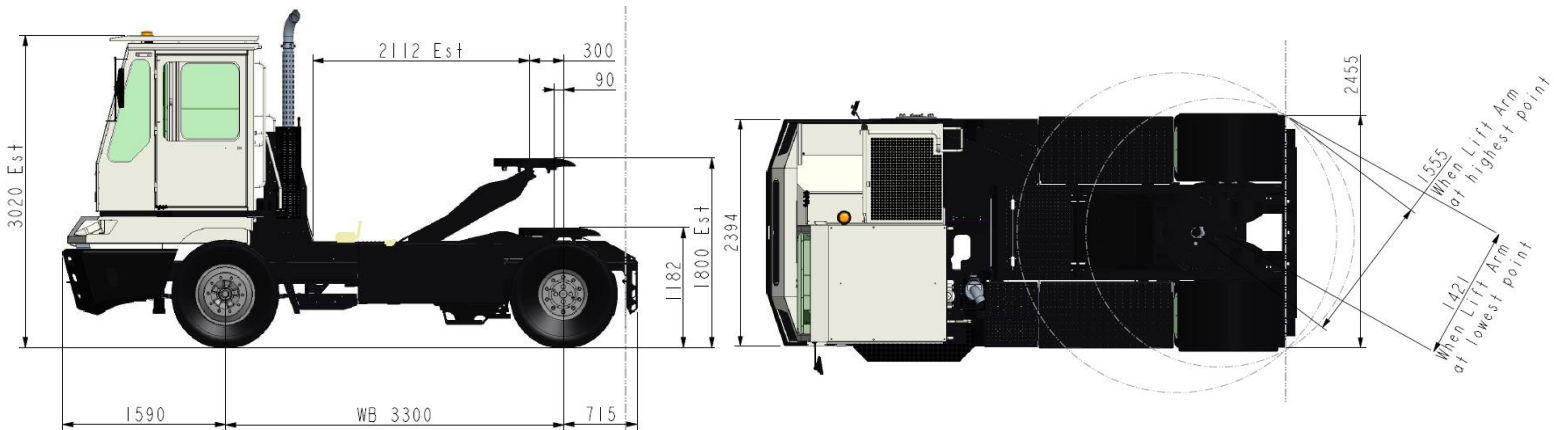


**TERBERG YT 220, 4x2 Technical Specification**



**ENGINE**

**Cummins B6.7-225 (EU Stage V / US Tier 4 Final)**

Six-cylinder four stroke direct injection diesel engine with turbo charging and intercooler. Fuel system with electronically controlled Bosch High Pressure Common Rail fuel injection. Engine equipped with Cummins Single Module™ aftertreatment system that combines DOC, DPF, SCR-catalyst and urea dosing in one unit.

Displacement: .....6,7 dm<sup>3</sup>  
Bore: .....107 mm  
Stroke: .....124 mms  
Compression ratio: .....17.3:1  
Output: .....168kW (225Hp) at 1800 rpm  
Torque: ..... 1186Nm at 1300 rpm

**GEARBOX**

**Allison, type 3000**

Automatic shift transmission with 6 gears forward, 1 gear reverse and Lock-Up. Including std. F/R shift protection.

**FRONT AXLE**

**Terberg TTA 60-02**

Non-driven steering axle  
Capacity: 10.000 KGs (at 20 km/h)\*  
\* depending on tyre rating

**REAR AXLE**

**Fixed axle: Terberg TTA 70-11**

Capacity 30.000 kgs (20 km/h)\*  
Reduction ratio 11.98:1  
\* depending on tyre rating

**SUSPENSION**

**Front axle:** Parabolic leaf springs in rubber mountings with 2 telescopic shock absorbers.  
Maintenance free system.

**Rear axle:** Directly bolted to chassis frame

**Optional:**

- Air-suspension with rubber stops

**RIMS AND TYRES**

**Tyres:** 11.00 R 22.5 (6 pieces)  
**Rims:** 10 stud disc wheels B8.25x22.5

**STEERING SYSTEM**

Fully hydrostatic orbitrol steering-system and double acting steering cylinder. Emergency steering property. Steering wheel diameter 350 mm

Turning circle over front bumper (m)

WB 3300mm 13.5

**5<sup>th</sup> WHEEL**

**Terberg 2" Cast steel plate**

Technical capacity 36.000 kgs.  
Lifting capacity 34.000 kgs.

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

**Optional:**

- 5<sup>TH</sup> wheel locked sensors.

**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 oil tank capacity 40 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 lift rams.

**CHASSIS**

Welded construction of rolled steel channels 200x100x10 mm  
Air reservoirs 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. Brake pressure: 7.5-8.1 Bar  
Automatic slack adjusters front and rear. Tank reservoirs: 2 x 40 dm<sup>3</sup> and 1x 30 dm<sup>3</sup> with std.  
Air dryer with air cooler system to remove vapour and residual oil from incoming air

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

**FUEL TANK**

Capacity 300 dm<sup>3</sup>

**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.

**ELECTRICAL SYSTEM**

24 Volt negative earth.  
Batteries : 2 x 12 Volt / 120 Ah

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**

LED headlights with dipped and main beam and direction indicators.  
LED rear lights mounted at back of chassis, with direction indicators and brake lights.  
LED 5th wheel floodlight behind cabin.  
PV485 screen illumination.  
LED Interior LED light in cabin.  
Mounting for rotating LED beacon light.

**CABIN**

1 person – left hand or right hand drive position.  
Forward facing driver position.

**Dimensions outside:**

- width : 1231 mm
- length : 1546 mm
- height : 1623 mm

Cabin construction of over-dimensioned strong steel profiles.  
Cab mounted on 3 anti-vibration mounts in combination with shock absorbers.  
Rear of cabin air suspended with hydraulic cab lock.

Entrance to cab by inboard door for safe and easy entrance/exit to/from drivers position.  
Horizontal sliding window at driver side  
Large windows with excellent visibility.  
All window panes tinted hardened safety glass except front window which is layered.  
Noise insulation for low internal noise levels.

Cabin can be tilted with electrical/manual operated hydraulic pump to 65°

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

**PV485 Driver Information Module**

Terberg PV485 Driver Information Module (DIM) Display rugged multi-function display interface with the following capabilities:

- 4.3" colour TFT LCD screen with 480 x 272 pixel resolution
- 5 tactile physical buttons for navigation
- LED backlight with long service life
- CAN J1939 connection
- Datalogging capabilities
- Statistics logging of vehicle history including J1939 information
- Fault code viewing of J1939 components such as engine and transmission
- USB port for downloading datalog and software update

**Digital Display functions :**

- Speedometer (KM/H or MPH)
- Engine rev meter (RPM)
- Driving direction and gear indicator
- Transmission mode indicator
- Fuel level gauge (%)
- Air pressure 1 & 2 gauge (bar)
- Engine oil pressure (bar)
- Engine coolant temperature (°C)
- Transmission temperature (°C)

**Front dashboard switches:**

- Work light
- Hazard lights
- Lighting
- 5<sup>TH</sup> wheel unlocking (1x)
- Indicator lights:
  - \* Direction indicator
  - \* Hi beam
  - \* Handbrake activated
  - \* Air filter clogged
- Indicator lights/check system with digital 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:**

- Switch for:
  - \* Direction indicators
  - \* Front wipers
  - \* Hi/Low beam
  - \* Horn

**Optional:**

- Airco system.
- Combined airco/heater system.
- Automatic engine stop on low oil pressure, high coolant temp.