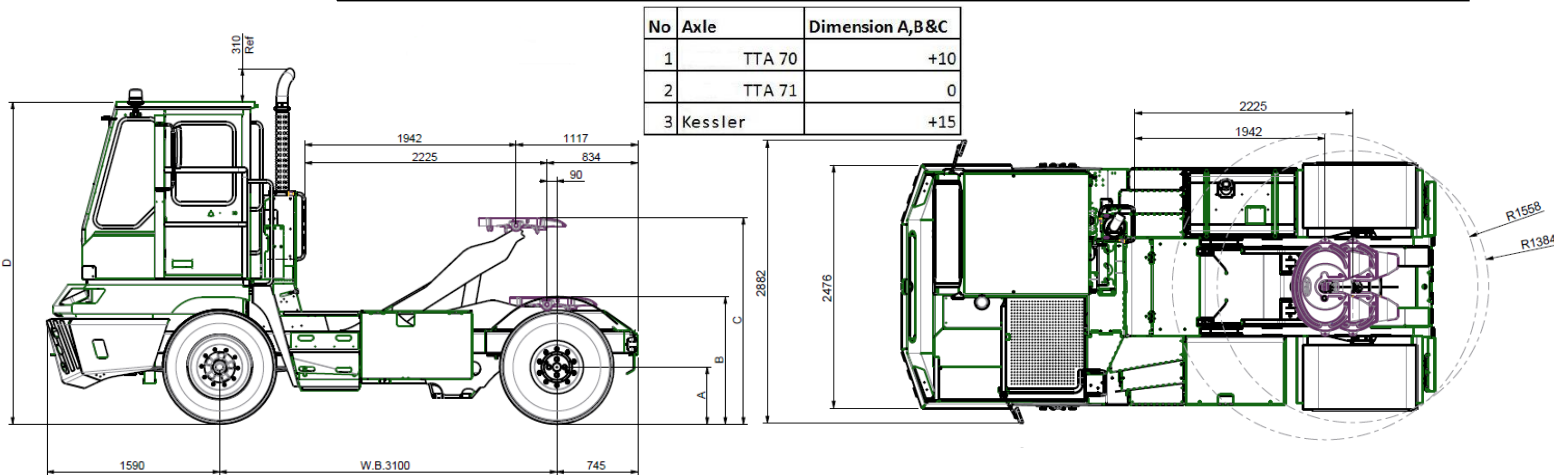


TERBERG YT 220, 4x2 Technical Specification



ENGINE

Cummins QSB6.7C-220 (Euromot IIIA - US Tier 3)

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 dm³
 Bore:107 mm
 Stroke:124 mms
 Compression ratio:17,2:1
 Output:164kW (220Hp) at 2200 rpm
(170kW (231Hp) at 2000 rpm).
 Torque: 949Nm at 1500 rpm
Acc. SAE J1995

Optional :

Caterpillar C7.1 (Tier 3)

Six-cylinder four stroke direct injection diesel engine with turbo charging and intercooler. Electronic high pressure common rail, ACERT™ Technology fuel system.

Displacement:7,01 dm³
 Bore: 105 mm
 Stroke: 135 mm
 Compression ratio: 16,8:1
 Output: . 185 kW (249 Hp) at 2200 rpm
 Torque: 1050 Nm at 1400 rpm

Mercedes OM906LA (Tier 3 / Stage 3A)

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

Displacement: 6,4 dm³
 Bore:102 mm
 Stroke:130 mm
 Compression ratio:18,0:1
 Output: ..170 kW (231 Hp) at 2200 rpm
 Torque:810 Nm at 1200-1600 rpm
Acc. ECE R120

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: Parabolic leaf springs in rubber mountings with 2 telescopic shock absorbers.
 Maintenance free system.
Rear: Directly bolted to chassis frame.

Optional:

- Air-suspension with rubber stops

RIM AND TYRES

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

STEERING SYSTEM

Fully hydrostatic orbital 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

5TH 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:

5TH wheel locked sensors.
 3.5" Fifth wheel.

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 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 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 dm³ and 1 x 30 dm³ 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 dm³

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

H4 headlights with dipped and main beam and direction indicators.
 LED rear lights mounted at back of chassis, with direction indicators and brake lights.
 5th wheel floodlight behind cabin.
 PV480 screen illumination.
 Interior light in cabin.
 Mounting for rotating 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.

PV480 Driver Information Module

Terberg PV480 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
- 5TH 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 fuses instead of std. blade fuses.
- Automatic engine stop on low coolant, high coolant temp and high transmission temp.
- Ignition off after 5 minutes idling.