BROSHUIS HOLLAND

4-axle semi low loader with ramps

Trailer specifications

Dimensions and weights

Weights in kg	Netherlands		Germany		England	
	C & U	Special types	C & U	Special types	C & U	Special types
Maximum fifth wheel load	18000	18000	18000	18000	18000	18000
Maximum bogie load	36000	40000	32000	40000	32000	42000
Gross load capacity	54000	58000	50000	58000	50000	60000
Tare weight, app.	13100	13100	13100	13100	13100	13100
Net load capacity, app.	40900	44900	36900	44900	36900	46900

Your benefits

Premium quality

Standard complete metalized

Low tare weight

Low maintenance

Neck

- The (single beam) neck height is 210 mm and suitable for 18 t fifth wheel pressure. Under rear side of the neck with chamfer
- Front extension 1,400 mm
  Chamfered corners at front 400 x 400 mm
- Fifth wheel height 1,150 mm
- Neck width 2,530 mm
- Rear swing cleareance 2,350 mm
- Hard wood floor of 28 mm thick
- 2" Kingpin
- 10 t certified lashing rings (max. Load 5 t) . According NEN12640
  TÜV Certificate
- 32 mm holes in the side rave, to use as lashing point
- Divided at the side raves of the neck, dim. 96 x 66 x 6 mm, suitable for stakes of 81 x 51 mm
- Spare wheel carrier at front of the gooseneck. Suitable for one spare wheel
- Slope for easy access of the neck 600 x 12°
  U profile for the attachment of aluminium ramps
- Landing gear two speed vertical lift, with S foot. Static capacity of 50 t

Floor

- The torsion rigid chassis is in the lower deck extendible in increments of approx. 500 mm. Air assisted locking pins are fitted to either side of the main beam and operated by a single two way valve
- Height of axle bogie 895 mm (loaded)
- With a central main beam of high tensile steel
- Split suitable for use of optional bridge sections
- Fixed part 850 mm
- Width of loading area 2,530 mm
- 'Pull out' galvanised outriggers to increase the overall lower deck width by 500 mm (250 mm per side of the trailer)
- 37 mm nominal hardwood in the lower deck, in front and in between the axle bogie.
  8/10 mm steel chequer plate fitted over the tyres. Max. floor load: 4 t on a surface 200 x 300 mm. 7 t on a surface 400 x 600 mm
- Heavy duty side raves 240 mm deep, welded by strong steel cross members to chassis
- Side guards, fixed aluminium profiles
- All air and service lines are located in an energy chain within the central main beam. Resulting in improved ground clearance and reduced maintenance
- 10 t certified lashing rings divided in the side rave of the loading floor, placed every approx. 1.2 m, according EN12650 with TÜV Certificate
- 32 mm holes in the side rave, to use as lashing point
- 1 pair of 10 t lashing rings in beavertail against the main beam
- Stake pockets divided at the side raves of the trailer, dim. 96 x 66 x 6mm, suitable for stakes of 81 x 51 mm
- Container position for 1x 40 ft (Container mountings are optional)
- Beavertail 850 mm x 8° for easy access of the lower deck
- Beavertail chamfered with hard wood floor
- At the rear of the chassis a pair of drop down steady legs to support the chassis beaver tail when using the ramps

Axle bogie

- Gigant 12 t steered axles
- Axle quantity: 4
- The bogie is fitted with 10 t air suspension and heavy duty airbags for optimum stability
- Broshuis hydraulic steering system, consists of two fully independent circuits.
  - Butterfly section, with adjustable conical bearing, resulting in extremely low maintenance,
  - Adjustable steering rods, to correct axle alignment tracking to compensate for wear during the life of the trailer.
  - Air, electrical and hydraulic service lines are housed inside the central spine(s) in an energy chain
- First axle is fixed, 3 axles are hydraulic steered
- Tyre Pressure Monitoring System according ECE R141
- Distance between axles is 1,360 mm
- A Wabco E-Tasc raise and lower valve is connected to the air suspension for ease of loading or unloading
- Manual override steering with 3 kW electrical pump
- Electrical hydraulic override steering system, to allow the axles to steer independently of the tractor unit, by means of buttons. Full automatic alignment system. Full automatic pre-stressment system up to 32 bar for direct steering response. Additional hydraulische operation under the gooseneck
- Two air line Wabco brake system, EC-approved design with an automatic load sensing device. Spring type chambers fitted to two axles for the hand brake. Incl. EBS
- Tyre brand to choice of Broshuis (Continental, Goodyear or comparable). 245/70 R17.5
- Steel rims, light grey

Ramps

- Hydraulic ramps 4,000 x 890 mm. Width adjustment is hydraulically operated
- Hardwood floor in ramp
- The ramps not detachable

Lights

- Lights are complete in LED
- 5-chamber rear lights and Led side-marker-lights. Conform EU-specifications

- The side marker lights flash along with the taillight turn signals
- On each side at the neck and axle bogie a connector fitted with holder for extendible marker board lights
- Connector for over width marker board lights: 3 pin plug

Accessories

- Spare wheel 1x
- EBS connector
- Connectors at the front: Dual 7 pin SAE plugs
- Air couplings palm type
- A 35 mm2 cable between truck and trailer for the use of any electrical power supply
- 24 V power connector NATO
- The chassis is equipped with white reflective tape on sides and red reflective tape on the back

Paintwork

- Metallized and finished in one colour. (non-metallic)
- After chassis assembly, the support brackets for valves, air tanks and pipe and wiring runs are fitted. The completed chassis is then shot blasted and immediately painted according to the Broshuis 2K paint system. The final fitting of all the components is carried out after the chassis has been through the preservation process

Permits

- SERT-Document. Heavy transport permit for the Netherlands to increase axle loads