



RAC EXPORT TRADING
Germany

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HEAVY DUTY 2-AXLE RIGID DUMP SEMITRAILER
for transportation of cane sugar plants
Capacity: approx. 41 tons.

Type: RAC-5641

GVW: 56 to.

→ Suitable for 3-axles tractor heads with 22 to. fifth-wheel capacity.

TECHNICAL SPECIFICATION

HEAVY DUTY 2-AXLE RIGID DUMP SEMITRAILER
TYPE: RAC-5641

Weights

Fifth wheel load	approx.	22 000 kg
Axle load	approx.	34 000 kg
Total gross weight	approx.	56 000 kg
Dead weight	approx.	15 000 kg
Payload, techn.	approx.	41 000 kg

Dimensions

Total length	approx.	16 000 mm
Total width	approx.	2 930 mm
Total height	approx.	3 820 mm
Outer-width of tyres	approx.	2 500 mm
Inner length	approx.	15 580 mm
Inner width	approx.	2 750 mm
King-pin to bogie centre	approx.	11 515 mm
Catch bar centre to king-pin	approx.	3 400 mm
Height of side-walls	approx.	2 040 mm
5 th wheel height*	approx.	1 360 mm (matching to 6x4 tractors)

All data mentioned above, are approximations. Depending on additional options and accessories as well as the selected tractor unit, deviations are possible.

Chassis

Heavy duty reinforced RAC-5641 chassis with reinforced BPW axles.

The trailers framework consists of two fabricated steel beams of high quality steel. The beams are strongly connected with the cross members supporting the suspension and the kingpin upper coupler.

Upper coupler plate with exchangeable JOST 3 ½" king pin

Platform

Platform made of at least 5mm perforated steel, with Ø25mm holes. The holes are designed with 50mm and 75mm distance over the whole area of the floor. Steel-plate is fully welded all around. Outer-frame with smooth outer-surface

Body

Steel body is designed for extreme Off-Road application.

The side-, rear- and front-walls is made out of 4mm perforated steel with Ø25mm holes. The holes are designed with 50mm and 75mm distance over the whole area of walls.

The side-walls are separated in five (5) parts with 3000mm length each and one (1) with 400mm length.

Front wall reinforced with additional support.

Rear door is oscillated fixed with heavy-duty hinges on top of the side-walls with opening possibility of maximum 95° to the outside.

The opening mechanism with hinges is designed for a smooth operation with a counter-weight design and can be locked manually by special pins.

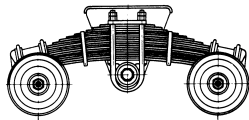
Rubber buffers are mounted on the rear frame to protect the rear door from being damaged during operation.

Running gear

1 unit BPW, Germany, W-axle, capacity 16 to each, total 32 to.

420 mm brake drums, with S-cam.

Spring suspension, W range, Cantilever type.



Wheel and tyres

Units	:	Twin mounted tyres 8 + 1 complete spare wheel included
Wheel type	:	Trilex rims, 24"
Tires	:	12.00 R 24 Michelin XZY
Brand	:	First class European brand, approved for off road operation.

Mudguards

Heavy duty steel mudguards with rubber mud-flaps behind rear axle

Landing legs

Heavy-duty jack stand, 2 speeds, Model JOST HDK200T, with lifting tackle.

Left-side operation

Brake

Double line air brakes with load sensing valve

Hand operated parking brake.

Safety emergency valve acting on all wheels in case of accident, if it is disconnected from the tractor head.

Connections mounted on the front bearer.

Electric system

System voltage : 24 Volt, acc. to RL 76/756/EWG

Coupling : 15 poles

Rear light system : Two (2) 5 chamber lights for 24 Volt

Side-marking lights : Two (2) mounted on the rear bumper plate, on both sides

Position lights : Two (2) at the front, 24 Volt

Reflectors : Two (2) triangles at rear

Connections : mounted on the front bearer in protected position

Equipment

Heavy-duty rear bumper made of steel, with integrated lighting

Rear lights with removable protection grid

Two (2) wheel-chokes with brackets

One (1) set of axles tools

Two (2) white/red reflector plates 300x600mm mounted on rear door

Automatic towing hitch, type Jost / Rockinger, with 50mm pin, mounted on rear cross-member

Paintwork and finishing

Chassis: Sand blasted, base coated, synthetic enamel finish RAL-colour

Body: Sand blasted, base coated, synthetic enamel finish RAL-colour

Accessories: partially galvanised

Documentation

One (1) spare part list

One (1) operating manual

All instruction plaques, lists, manuals and signs in English

RAC reserve the right to modify or change specification at any time