

Technical specification RR-GC-40ft-100T LOW

Houcon Roll-trailer, type RR-GC-40ft-100T LOW for transport of general cargo and 1x40' or 1x30', 1x20' or 2x20' ISO-containers on off-public roads.

- loading capacity
100.000 kg at 6 km/h, equally spread
- dimensions (approx.)

platform length	12.450 mm
platform width	2.600 mm
platform height	740 mm
- dead weight
approx. 7.960 kg
- 5th wheel load
approx. 26.474 kg (without gooseneck)
- rear axle load
4 x 20.372 kg
- ground clearance
approx. 240 mm under the main beams at the axle position.
- chassis
fabricated from hot rolled steel, mixed gas welded according NEN EN 287/ 288, to a sturdy and lasting construction, with rounded corners
- main beams
main beam H= 500, **S355J2** (ST52-3) or equivalent, with enforcement flat, and with certificate
- gooseneck tunnel
a standard gooseneck adapter with reinforced plates is provided at the front end of the trailer. The square 120mm cross beam inside the tunnel is fed through the flame-cut side plates and welded on **both** sides.
Gooseneck cross beam, over the full length to the outside beams in order to reduce twisting of trailer under maximum loading capacity.
The **safety hooks** on the chassis are **standard**.
- front end
provided with a sturdy landing beam.

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- running gear

A **low maintenance** running gear with 8 wheels, size 22"x16"x16", in independent pendulum rocker beams with 4 oscillating axles (St52-3), make Houcon, for evenly distribution of wheel loads. Welded steel wheels with re-greasable (1 greasing point per wheel) conical roller bearings, make URB or equivalent, pressed-on solid rubber steel band tyre, make Solideal or equivalent. Each wheel set is provided with 4 special sealing rings, make Fey, for a better performance and low maintenance.

The running gear cross beam, over the full length to the outside beams in order to reduce twisting of trailer under maximum loading capacity.

We choose a steel plate instead of a synthetic cap to cover the hub. This steel cover is hold in place by means of a retaining ring. This will secure the plate better than a clamp.

- loading platform

Wooden deck with 55 mm softwood to carry general cargo, plank machined on 3 sides, upper edges cut. Wood treated with preservative e.g. Wolmanit.

- D-lashings

10 pcs lashings (D-lashing) on following positions:

- 2 pcs. on front beam
- 2 pcs. per length side
- 4 pcs. on rear beam

- Eye-lashings

14 pcs Eye lashings (30 mm) on following positions:

- 2 pcs. on front beam
- 6 pcs. per length side

- fork-pockets

In order to lift the roll-trailer, both longitudinal sides are equipped with fork-lift pockets

- container positioning

10 ISO-openings diagonal positioned, on following positions:

- 2 at front
- 2 at rear
- 2 at 30ft position
- 2 at middle (front 20ft container)
- 2 at middle (rear 20ft container)

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- empty stacking

Recess at front and steel plate over axles for stacking of empty roll-trailers.

- stanchion pockets

8 stanchion pockets 105 x 55 on following positions:

- 4 pcs at each longitudinal side

NOTE: STANCHIONS ARE NOT INCLUDED

- identification

Marking

The letter style on the chassis is: Arial

The text is: **REWU xxxx**
Colour RAL code
Position Both longitudinal sides
Height 100 mm

The text is **Houcon Logo**
Position Both longitudinal sides

The text is **MAX. LOAD 100 TON – 6 KM/h**
Colour RAL code
Position Both longitudinal sides
Height 100 mm

Name plate of Houcon with CE-logo in information, to be placed on the left-front side.

- finish

steel shot blasted according to ISO 8501-1 (Swedish Standard ISO 5 5900) 95% before welding SA2.5 95% and 5 % SA2.0

Prior to painting the complete chassis frame will be completely blasted.

1st coating : Hempel Hempadur 47200 a two component high solid epoxy primer with zinc phosphate, dry thickness approx. 100 µm

2nd coating : Hempel Hempthane 55610 is a two component high solid polyurethane coating with good weather resistance and colour light fastness, dry thickness min. 60 µm

Total dry thickness min. 160 µm **1)**

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- application

airless in conditioned room

- colours

the chassis in RAL colour according to customer specification
rocker beam, axles and wheels will be black RAL 9005

Specifications mentioned are preliminary. Individual items may change as the design progresses.