

Houcon Trailer, type SA-C-40ft/60T-bumpcar, for transporting 1x40ft and 2x20ft ISO-containers.

Technical data:

- type : SA-C-40ft/60T
- load capacity : 60 tons at 20 km/h, 30 km/h empty;
- dimensions (approx.) : length 12.730 mm;
width max. 2.790 mm;
platform height approx. 1665 mm empty, 1620 mm with load;
- dead weight : approx. 8.5 ton;
- axle load : max. 35 ton at 20 km/h;
- chassis : fabricated from hot rolled steel, mixed gas welded, to a sturdy construction, IPE 500 mainbeams of St52-3 according to DIN 17.100, with 2-2 certificate according to DIN 50.049 and St37-2 for other steelwork;
All mechanical work will be performed by, qualified and skilled people.
Sharp edges will be rounded-off.
- loading platform : especially designed bumpcar "shells", that support the container on the side-beams, so that the corners are free. The SATL's (semi automatic twistlocks) don't have to be removed under the crane, which speeds up the loading and unloading. The shells made out of **15mm thick** steel are 330 mm high and supported by heavy stiffeners. The frame is designed for 2x20ft containers in 40ft configuration or 1x40ft containers
- container positioning : the longitudinal and lateral restrictions of the containers during acceleration, turning and braking phases of transporting shall be provided by stoppers. The container stoppers are tilt-type, without vulnerable springs: "pop-up by gravity", placed in a sturdy steel frame in the center of the chassis.
- wheels : four (4) pneumatic tyres. The rims are with 10 holes and suitable for dual mounting; All according to the E.T.R.T.O. standards.
- axles : one (1) axles, track 1920 mm, max. Permissible axle-load 35 ton at 20 km/h, axle with brakes.
The width of the axles and tyres remains inside the steel frame.
The axles are mounted to an intermediate construction, very easy to
- hubs : conical roller bearings, dust and grease sealed;
- brakes : on the rear axle, with hand operated load sensing valve, brake system operating in with two (2) spring breaks, via a dual line pneumatic hose, as parking brakes, the braking
- kingpin : 2" kingpin, temper steel, according to DIN 74080, bolted to a fixed capping plate for easy replacement. The height from ground to kingpin is between 1.220 and 1190mm. The kingpin plate is equipped with large drainage holes.

- lubrication : greased with Shell Alvania
- bolts and nuts : according to DIN standards, zincked, nylock nuts (self locking)
- marking : a center mark by paint will be applied at the front of the trailer to help the driver during coupling.
- identification : customer and manufacturer trailer identification;
Marking Painted:
The letterstyle on the chassis is: ARIAL (in Italics)

The text is: Chassis Number / code
Colour: white
Position: Both longitudinal sides
Height: 150 mm

The text is: **Houcon Cargo Systems - Holland**
Colour: white
Position: Both longitudinal sides
Height: 150 mm

The text is: **MAX. LOAD 60 TON - 20 KM / h**
Colour: white
Position: Both longitudinal sides
Height: 150 mm
- parking stand : Spindle type, robust and one-side operated landing gear. The sturdy legs are equipped with large pivot feet, for uneven surfaces. The high-strength material of the high and low speed gearbox guarantees a long-life with less maintenance
- lights : 24 volts brake-, direction-, and rear lights.
The lights are connected to a 7-pole connector in the front of the chassis. Reflectors are added at the rear-end and both left and right side of the trailer. The lights are protected in open boxes against impact damage.
- finish : steel shotblasted according to ISO 8501-1 (Swedish Standard IS05 5900) 95% before welding SA2.5 95% and 5 % SA2.0;

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

1st coating: HEMPAQUICK PRIMER 13624 (or equal) is a very quick-drying zinc phosphate pigmented alkyd primer, dry thickness approx. 60 ± 10 µm;

2nd coating: HEMPATEX 46410 finish based on acrylic resin, alkyd and non-chlorinated plasticizer, dry thickness min.60 µm
Total dry thickness approx. 120 ± 20 µm 1);
- application : airless in conditioned room;
1) Decision rules layer thickness (90-10 rule)
For each area less than 10% of the reading may be below the specified thickness and no reading must be below 90% of the specified thickness.
- colours : the chassis Ral 1007, axle and landing legs 9005 (black)