



Steel structure H940-44

Width	External: 900 cm Internal: 850 cm
Length	External: 3969 cm Internal: 3929 cm
Height	<p>Side height</p> <p>External: 440 cm Internal: 421 cm</p> <p>Ridge height</p> <p>External: 561 cm Internal: 535 cm</p>
Unobstructed floor space	≈ 333,9 m ²
Roofpitch	15°
Maximum snow load	1.30 kN/m ² (EN 1991-1-3) in combination with 0.65 kN/m ² wind load DIN EN 1991-1-3:2010-12 and DIN EN 1991-1-3/NA:2010-12 compliant
Maximum wind load	0.85 kN/m ² (EN 1991-1-4) in combination with 0.70 kN/m ² snow load DIN EN 1991-1-3:2010-12 and DIN EN 1991-1-3/NA:2010-12 compliant
Standard door opening dimensions	See construction drawing under Documentation





Anchoring

For a permanently installed building

Option 1. Concrete foundation

Concrete (strip) foundation to be prepared according to Kroftman drawings (included). Base rail of building is bolted with concrete anchors M12x180/020-035 (included). The concrete surface needs to be perfectly straight to obtain a watertight joint of the walls.

Option 2. Prefab concrete slab elements

Construct a sandbed to the frost line containing a spacious floor of prefab concrete panels (concrete slab elements) of 16 cm minimum. The soil profiles of the storage building need to be fastened with concrete anchors M12x180/020-035 (not included).

This option is economical and fast. The surface must be flat, with a permitted slope of max. 1 cm/m1 in one direction only. A curved surface is not allowed. A slope in the installation surface must be filled out during installation, resulting in additional work.

For a temporarily or semi-permanently installed building

Option 3. Earth anchors (not included)*

Earth anchors 1,200 x 25 mm for anchoring on pavement, asphalt or hard gravel. The installation surface must be straight with a maximum slope of 1cm/m1 limited to one direction. A curved surface is not allowed. A slope in the installation surface must be filled out during installation, resulting in additional work. Base rail holes of Ø30 mm are to be drilled on-site. (adequate holes aw is included).

Installation of your steel building with earth anchors saves time and money and is the perfect solution when only temporarily constructions are allowed or needed.

Warranty

Steel structure:

10 years descending warranty against rust perforation





Steel structure

Complete innovative lightweight steel structure consisting mainly of cold-rolled C-profiles (S390 in accordance with EN-10143).

Developed and manufactured by Kroftman Structures, FPC certified according to EN 1090-1:2009+A1:2011.

CE marking and declaration of performance are standardly included for the entire structure according to CPR 305/2011/EU.

Includes structural bolt sets in accordance with EN15048-1/DIN931-933 for the assembly of load-bearing parts.

Our general static structural calculation according to Eurocode is provided free of charge (digital).

An extensive assembly manual is also included free of charge with the shipment of the frame.

Attachment to a foundation or on compacted ground with:

Supplied wedge anchors (ETA 1) or ground pins for temporary setup (according to EN-13782)

