containertech


containertech

# Technical description STORAGE CONTAINER

The following description refers to the specifications and the design of new standard containers.

## Dimensions and weights:

| | | Type | | | | |
|---|---|---|---|---|---|---|
| | | **LC 6'** | **LC 8'** | **LC 10'** | **LC 15'** | **LC 20'** |
| external | Length (mm) | 1,980 | 2,438 | 2,991 | 4,550 | 6,058 |
| | Width (mm) | 1,950 | 2,200 | 2,438 | 2,200 | 2,438 |
| | Height (mm) | 1,910 | 2,260 | 2,591 | 2,260 | 2,591 |
| internal | Length (mm) | 1,800 | 2,275 | 2,831 | 4,387 | 5,898 |
| | Width (mm) | 1,860 | 2,106 | 2,344 | 2,106 | 2,344 |
| | Height (mm) | 1,730 | 2,050 | 2,376 | 2,050 | 2,376 |
| door clearance | Width (mm) | 1,850 | 2,070 | 2,310 | 2,070 | 2,310 |
| | Height (mm) | 1,690 | 1,945 | 2,280 | 1,945 | 2,280 |
| | Weight (kg) | 450 | 630 | 825 | 915 | 1,270 |
| | Capacity (m³) | 6.66 | 9.82 | 15.76 | 18.94 | 32.85 |

## Fork lift pockets:

| | | | |
|---|---|---|---|
| Distance - centre (mm) | 950 | | 2,050 |
| Clear opening width x height (mm) | 245x70 | 355x105 | |

## Loading capacity:*

| | | | | | |
|---|---|---|---|---|---|
| Max. payload (kg) | 2,000 | 3,500 | 10,000 | 5,000 | 10,000 |
| Max. floor loading (kg/m²) | 600 | 750 | 1,500 | 550 | 750 |
| Max. lifting weight at 1.5g (kg ) | - | 2,300 | 6,500 | 3,350 | 6,500 |
| Max. stacking weight (kg) | - | 6,500 | 15,400 | 9,500 | 17,000 |
| Snow load kg/m² (1kN/m²) | 100 | | | | |
| Max. point load in the centre of the roof (30x30cm; kg) | 150 | | | | |
| Stacking ** | not stackable | max. three high | | | |

* Load capacity according to static calculation and GL-type certificate

** The stacked containers are only allowed to be loaded with the maximum lifting weight! For stacking the special CTX stacking cones must be used.
A level surface is precondition for a correct positioning of the containers.
In the case of strong winds an adequate fastening is necessary (wired steel ropes etc.).

## Floor:

| | | |
|---|---|---|
| Frame construction | 2- 3 mm welded steel profiles | |
| | floor cross members out of U-profile | - purpose-made and patented floor cross members (I-profile)<br>- front floor cross member tilted to the outside |
| Fork lift pockets | 2.5 mm steel profiles | |
| Floor | 20 mm laminated plywood board<br>water resistant (V 100)<br>sealing with elastic sealant | |

containertech

| Corner Cast: | Type | | | | |
|---|---|---|---|---|---|
| | LC 6' | LC 8' | LC 10' | LC 15' | LC 20' |
| | - welded corner casts, dimensions according to ISO standard thickness 6 mm<br>(except for 6 ft storage container - lifting bracket made of 10 mm welded steel profile) | | | | |

**Roof:**

| | |
|---|---|
| Frame construction | - 2 to 3 mm welded steel profiles<br>- water bar at the front roof beam |
| Cover | - self supporting cross-corrugated 1.2 mm steel sheet |

**Corner posts:**

| | |
|---|---|
| | - front corner post: 3 mm thick steel profile<br>- rear corner post: 2 mm thick steel profile |

**Walls:**

| | |
|---|---|
| | - vertically corrugated steel sheet, thickness 1.2 mm<br>- 4 ventilation ducts positioned underneath the roof frame |

**Doors:**

| | |
|---|---|
| | double wing door, with special rubber seal around the door opening radius ca. 270° |
| Lining | horizontally corrugated steel sheet, thickness 1.2 mm |
| Locking system | - special locking mechanism<br>- made from galvanised pipe and holding angle with integrated plastic guide-bushes |
| Fixing | welded to the door blade with galvanised and forged hinges |

**Handling:**

| | |
|---|---|
| With fork lift | fork length min. 2 m, fork width min. 20 cm |
| With crane | angle between lifting rope and horizontal line must be at least 60 degrees |

**Paint: ***

| | |
|---|---|
| | environmentally friendly combined coating system with high-quality weather resistance |
| Pre-treatment | degreasing and zinc phosphating by dip-coating |
| Grounding | cathodic electro dip coating (colour shade grey) with an average lamination strength 20 µm (min. 15 µm). |
| Top coat (external) | high-quality powder coating on a polyester basis (facade quality) with an average lamination strength of 70 µm (min. 60 µm) |

* With the applied painting system shades similar to RAL are achieved. We do not accept liability for colour variations in comparison with the RAL tones.

**Options:**

| | Type | | | | |
|---|---|---|---|---|---|
| | LC 6' | LC 8' | LC 10' | LC 15' | LC 20' |
| Painting according to CTX-RAL-chart * | ■ | ■ | ■ | ■ | ■ |
| Steel checker plate 3 + 1 mm floor | ■ | ■ | ■ | ■ | ■ |
| CTX – lock box | ■ | ■ | ■ | ■ | ■ |
| Security fittings | ■ | ■ | ■ | ■ | ■ |
| Electrical installation | | ■ | ■ | ■ | ■ |
| Second double wing door on the short side ** | | ■ | ■ | ■ | ■ |
| Window (incl. window grille) | | | ■ | | ■ |
| Door 875 x 2.000 (mm) ** | | | ■ | | ■ |
| Reduced fork lift pocket distance *** | | | | | ■ (950 mm) |

* colour collection RAL Classic
** no static calculation and GL-type certificate available
*** handling with fork lift only possible when empty