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 9'**	**LC 10'**	**LC 15'**	**LC 20'**
External	Length (mm)	1,980	2,438	2,931	2,991	4,550	6,058
	Width (mm)	1,970	2,200	2,200	2,438	2,200	2,438
	Height (mm)	1,910	2,260	2,260	2,591	2,260	2,591
Internal	Length (mm)	1,800	2,275	2,770	2,831	4,387	5,898
	Width (mm)	1,860	2,106	2,106	2,344	2,106	2,344
	Height (mm)	1,730	2,050	2,050	2,376	2,050	2,376
Door	Width (mm)	1,850	2,070	2,070	2,310	2,070	2,310
	Height (mm)	1,690	1,945	1,945	2,280	1,945	2,280
	Weight (kg) – HB*	450	630	690	825	915	1,270
	Weight (kg) – SB**	515	725	785	935	1,075	1,495
	Capacity (m^3)	6.66	9.82	12	15.76	18.94	32.85

* Storage container with wooden floor
** Storage container with steel floor

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	8,500	10,000	5,000	10,000
Max. floor loading (kg/m²)	600	750	1,500	1,500	550	750
Max. lifting weight at 1.5g (kg)	-	2,300	5,600	6,500	3,350	6,500
Max. stacking weight (kg)	-	6,500	13,250	15,400	9,500	17,000
Characteristic snow load on the floor (kg/m²): s_k as per EN1991-1-3	s_k = 2.5 kN/m² (250 kg/m²) *Shape parameters* $\mu = 0.8$ ($s = \mu_1 * s_k = 2.0$ *kN/m² (200 kg/m²))*					
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 of U-profiles front floor cross member tilted to the outside
Fork lift pockets:	2.5 mm steel profiles
Floor:	- wooden floor 21 mm laminated plywood floor board water resistant sealing with elastic sealant - steel floor diamond plate rivetet, basic thickness 3 mm, diamond plate pattern 1mm sheet metal joints siliconised

Corner Cast:

	- welded corner casts, dimensions according to ISO standard thickness 6 mm (except for 6 ft storage container - lifting bracket made of 10 mm welded steel profile)

Roof:

Frame construction:	- 2.5 respectively 3 mm thick welded steel profiles - water bar at the front roof beam
Cover:	- self-supporting, cross beaded steel sheet 1.2 mm thick

Corner posts:

	- front corner post: 3 mm thick steel profile - rear corner post: 2 mm thick steel profile

Walls:

	- vertically beaded steel plate 1.2 mm thick - 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 beaded steel plate 1.2 mm thick
Locking system:	- special locking mechanism - 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 °

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 9' ****	**LC 10'**	**LC 15'**	**LC 20'**
Painting according to CTX-RAL-chart [1]	■	■	■	■	■	■
Steel checker plate 3 + 1 mm floor	■	■	■	■	■	■
CTX - lock box	■	■	■	■	■	■
Security fittings	■	■	■	■	■	■
Electrical installation		■	■	■	■	■
Second double wing door on the short side [2]		■	■	■	■	■
Sectional door [3]				■		■
Window (incl. window grille) [4]				■		■
Door 875 x 2,125 (mm) [4]				■		■
Reduced fork lift pocket distance [5]						■ (950 mm)
Rack		■	■	■	■	■
Ventilation grille		■	■	■	■	■

1 RAL Classic range
2 no structural calculation and GL-type certificate available
3 no GL-type certificate available
4 max. 1 fitting per short side
max. 2 fittings per long side
only one corner column position is possible per long side
distance between fittings at least two full corrugations (approx. 450 mm)
5 handling with fork lift only possible when empty

Electrical installation:

Specification:	Surface mounted
Technical data:	- recessed CEE external plug and socket connections - voltage 230 V/400 V - 50 Hz, 3/5 poles; 32A - circuit diagram provided inside the distribution box - surface mounted distribution box, single-row with integrated sockets - 2 x sockets, 1 x heavy current socket (GB-electric without any function) - residual current operated device 40 A/0.03 A, 4 poles - LS switch 16A, 4 poles – heavy current socket 400 V - LS switch 10/13A, 2 poles – sockets 230 V – light - 1 no. single light fitting, 36W, alongside in centre - surface mount damp room switch in the door area
Optional:	Sockets: - FR-electric (13A) - GB-electric (13A) - CH-electric (10A) - IT -electric (10A)
Earthing:	Earthing conductor of galvanised flat steel and clamp The protective earthing on site has to be carried out by the buyer/hirer.

Safety advice:	The cabins can be linked electrically at the external CEE plugs and sockets. For the decision how many units to connect electrically the expected constant current in the link circuits has to be considered. The commissioning has to be carried out by an approved electrician. Accompanying instructions for assembly, commissioning, use and servicing of the electrical installation can be found in the distribution box and must be observed!

Window:

Specification:	- plastic window with insulation glazing; colour: white - one hand tilt & turn mechanism - window dimensions: 945 x 1,200 mm - WITHOUT roller shutter ATTENTION: The built-in insulation glass is only suitable for use at altitudes up to 1,100 m above sea level.. Above 1,100 m pressure compensation must be undertaken
Optional:	- window with security grille

Doors:

Specification:	- right or left hand hinged - door blade with galvanised steel sheets on both sides and 40 mm insulation - steel frame with triangular wrap-around sealing - dimensions:	
	nominal dimensions 875 x 2,125 mm	clear opening 811 x 2,065 mm

Sectional door:

Specification:	- double-walled steel panels with PU foam - panel thickness 42 mm - galvanised fittings, frame, guide rails and connecting rail - manual opening with turning handle and profile cylinder - burglar-resistant latch lock - clear opening width x height (mm): 2,100 x 2,070 mm
Colour:	- external: RAL 5010 / 7035 / 9010 - internal: RAL 9002

Certifications:

Production	ISO 9001:2000
Statics	CAE Simulation & Solution GmbH
Locking bars	GL production approval certificate
Rubber seals	GL production approval certificate
Quality monitoring	GL "type test"

Details:

- Regulatory and legal requirements for the storage, placement and usage of the containers must be considered by the buyer/hirer.

Subject to technical alterations.