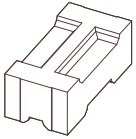


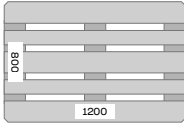
Stacking pallets on the Semi-trailer and Container

There are no contraindications for stacking pallets on the semi-trailer, but in the case of a container, it becomes a challenge because the container is loaded and unloaded 4 times.

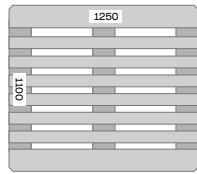
Main Unit and pallets:



ELEMENT /UNIT

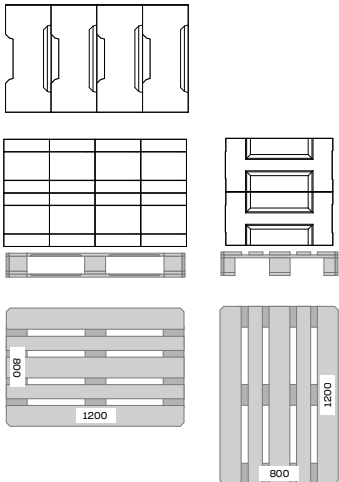


EURO PALLET
1200X800MM

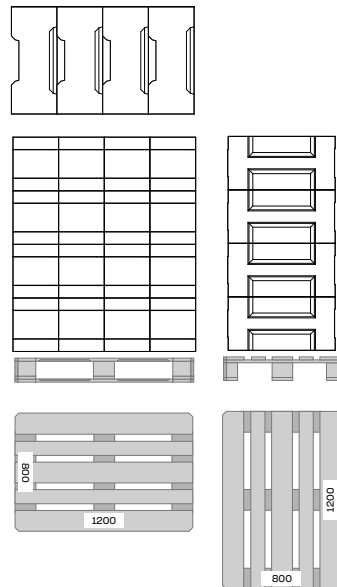


BIG PALLET
1250X1100MM

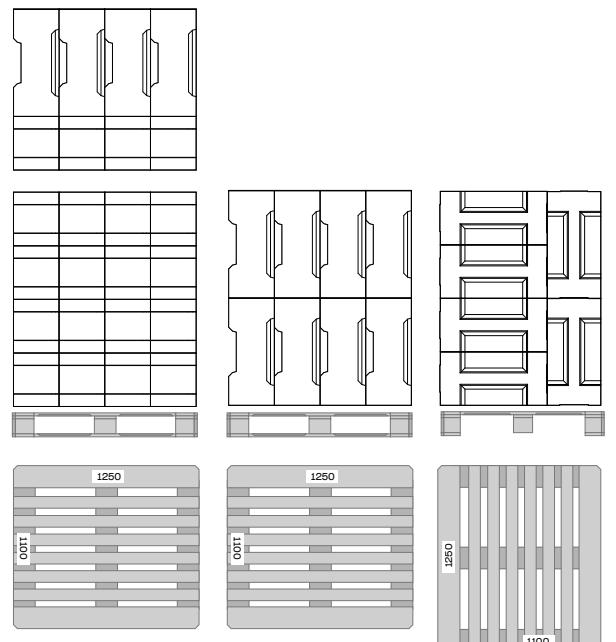
Euro Pallet x8 units
top layer



Euro Pallet x16 units
bottom layer only



Big Pallet x24 units
bottom layer only



LAND TRANSPORT:

Semi-trailer

SYSTEM 3E can load maximum 640 units of full elements (approx. 112.08 m² of walls).

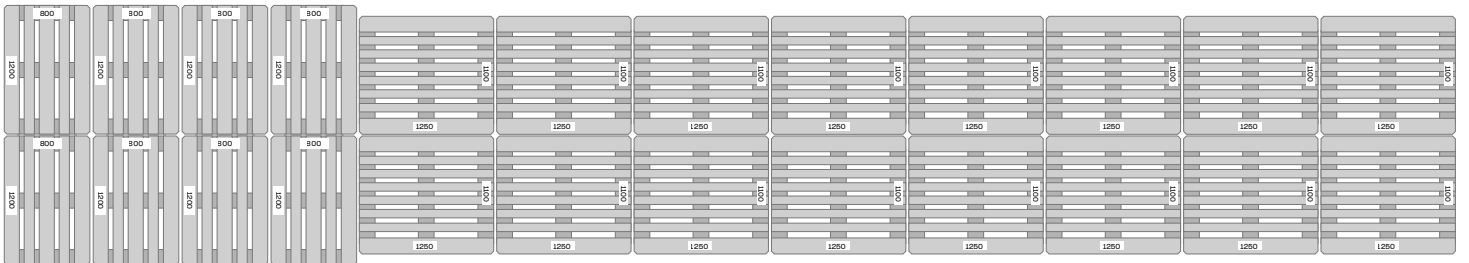


Length: 13.6 m.

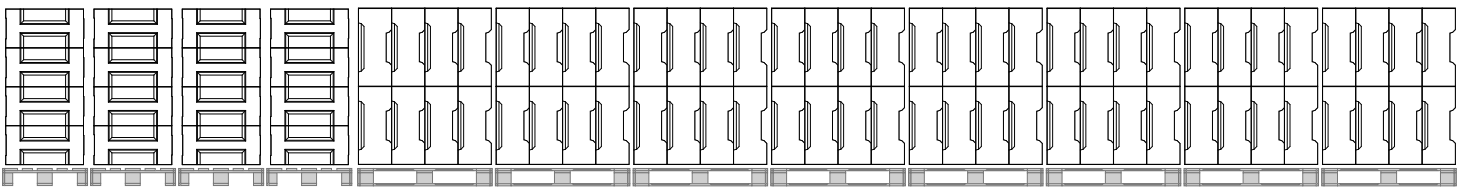
Width: 2.45 m.

Height: 2.65 – 2.85 m.

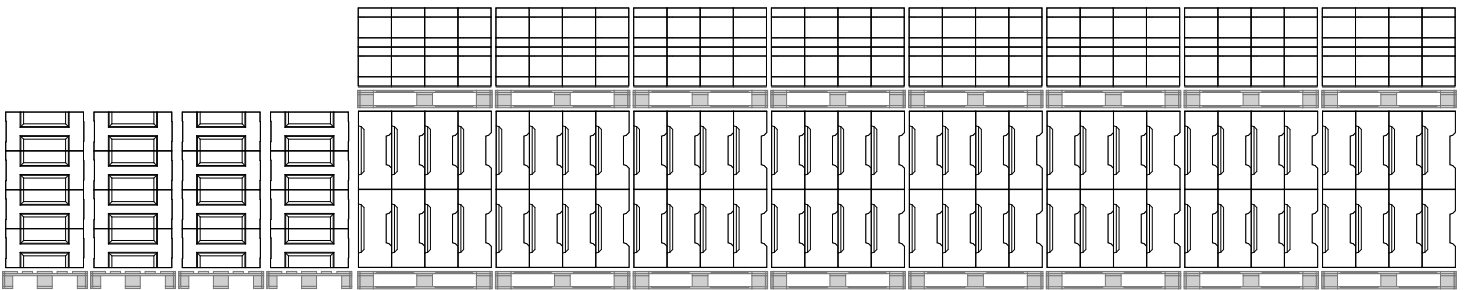
Pallets arrangement on a curtainsider of the length: 13.6 m.



Units on pallets, side view:



We can stack the same number of EURO pallets on top of the large pallets (16 pieces), each with 8 full elements, side view:



At the bottom of the trailer:

16 large pallets (each 24 full pieces).

8 EURO pallets (each 16 full pieces or 32 half pieces).

On top of the trailer:

16 EURO pallets (each with 8 pieces of full elements or 16 pieces of half elements).

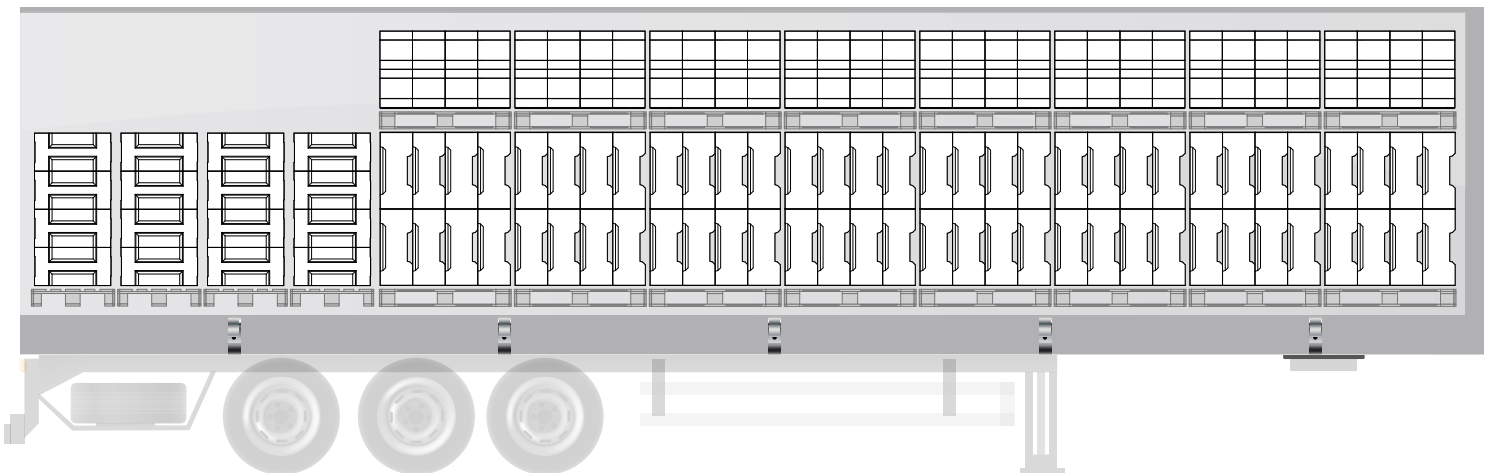
Total:

384 full pieces.

128 full pieces (or 256 half pieces).

128 full pieces (or 256 half pieces).

= 640 full pieces = 112.08 m² of walls (35.2 cm thick).



Loading process:

In the factory, the loading is done by a pallet jack, not a forklift. There are no contraindications for stacking pallets on the semi-trailer.

MARITIME TRANSPORT:



40' DV container (standard)

Dimensions:

Length: 12.00 m.

Width: 2.35 m.

Height: 2.39 m.

40' DV container (elevated)

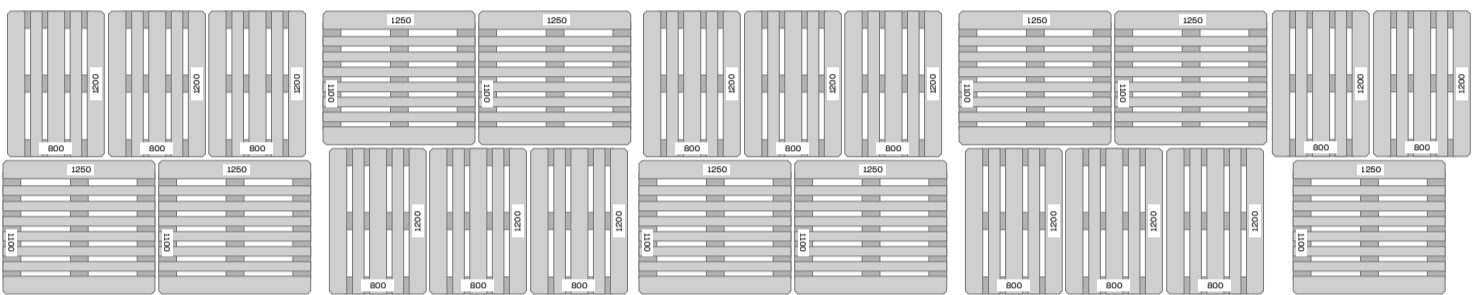
Dimensions:

Length: 12.00 m.

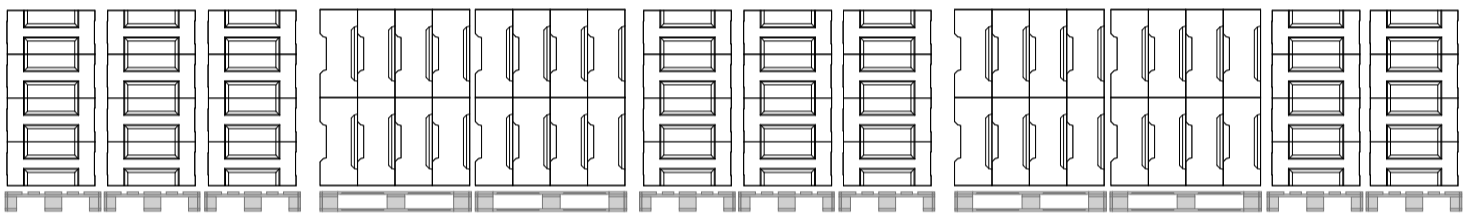
Width: 2.35 m.

Height: 2.70 m.

Pallet stacking at the bottom in a 40-foot container, length 12.01 m.



Units on pallets, side view:



The 40' container can fit:

9 large pallets (each with 24 pieces of full elements).

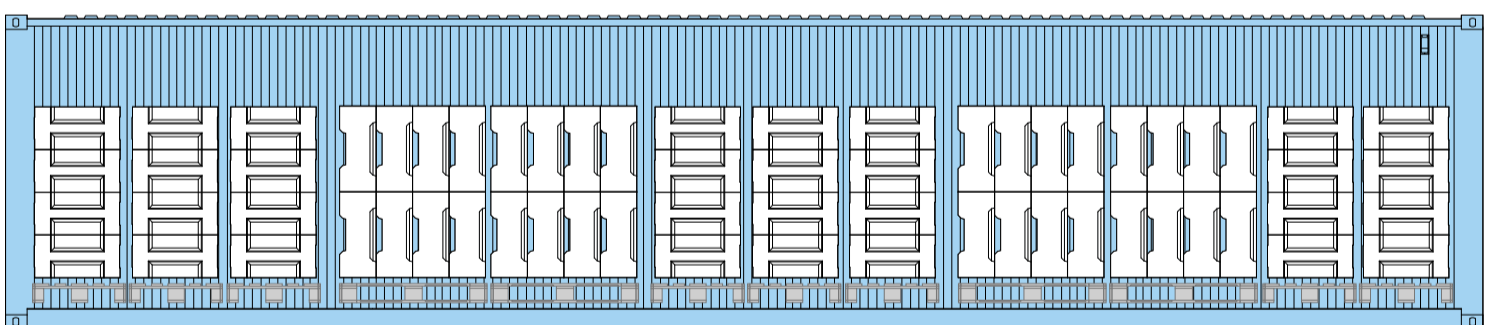
14 EURO pallets (each with 16 pieces of full elements or 32 pieces of half elements).

Total:

216 pieces of full elements.

224 pieces of full elements (or 448 half elements).

= 440 pieces of full elements = 77.06 m² of walls (35.2 cm thick).



Loading process:

The container is loaded from the back, as there is no other possibility. It is impossible to maneuver a forklift inside the container. There is no stacking of pallets in the container, as it is loaded and unloaded 4 times.

How does it work?

→ Port in Poland - from truck to ship with a crane.

→ Port abroad - from ship to truck.

→ On the construction site - from truck with a forklift.

Important:

We must keep in mind that the weight on the container must be distributed evenly.