Container Loading Calculator

Container Loading · User Guide

Enter the container type and cargo dimensions — get the loadable quantity and a 3D stowage view in one click.

Website

https://container-calc.com

Contents

1 How to Access

2 Interface Panels

3 Calculation Workflows

3.1 Loading without pallets 3.2 Palletizing, then loading

1. How to Access

Open the address below in any browser to use Container Loading Calculator — no client installation required.

URL: https://container-calc.comhttps://container-calc.com/

2. Interface Panels

2.1 The main loading screen has four panels. The border colours in the table below match the coloured frames in the screenshot.

Border	Panel	What it does
Green	**Container Selection**	Choose the container type and the loading mode (mixed, zoned and so on).
Blue	**Cargo List**	Enter cargo dimensions and weight. Multiple cargo types can be mixed, and cargo can be marked no-flip. To palletize cargo, click Palletize to open the pallet screen.
Red	**Loading Details**	Shows the calculation results, including loadable quantity and space utilisation.
Purple	**Loading Diagram**	A 3D view of how the cargo actually sits inside the container.

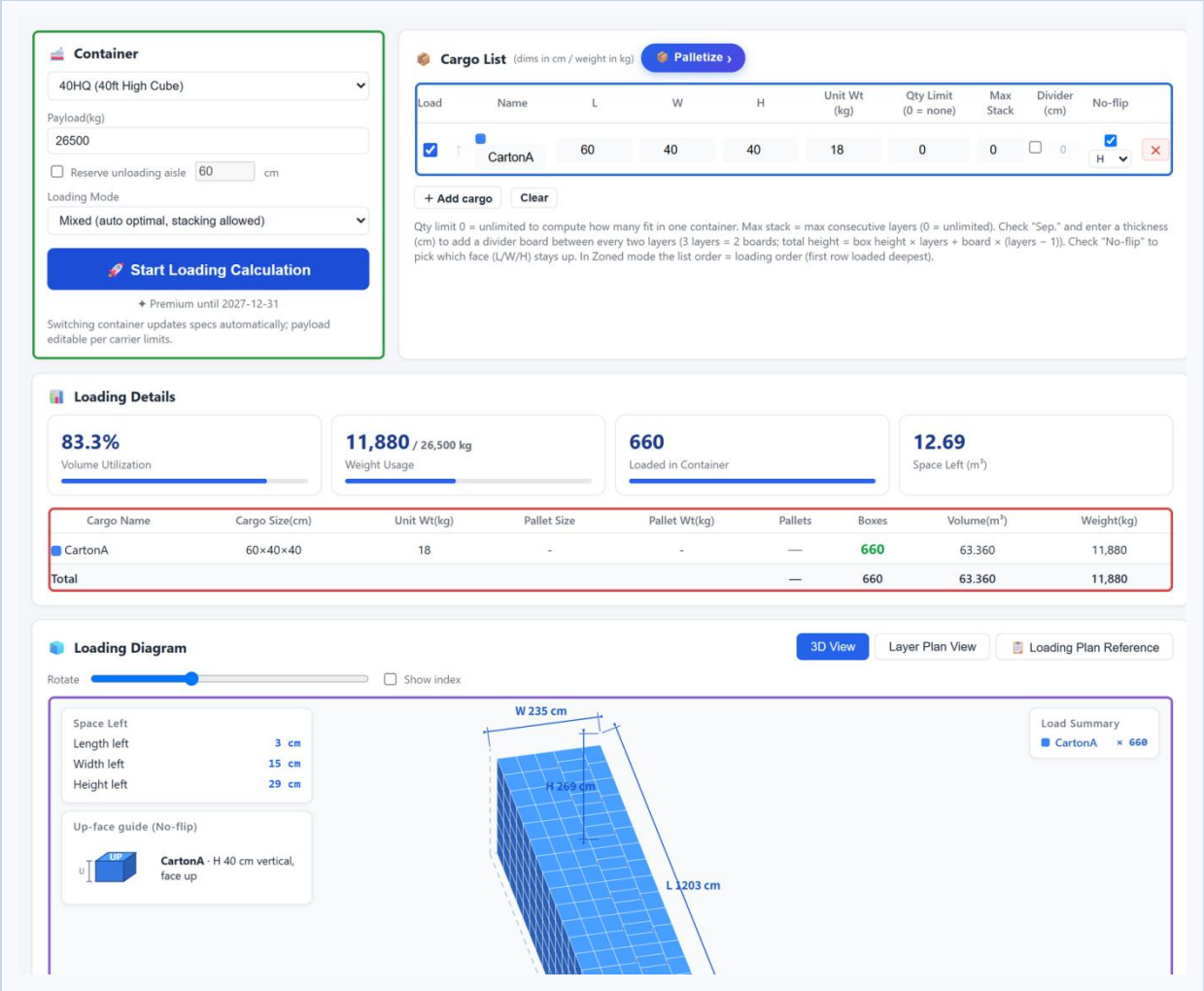
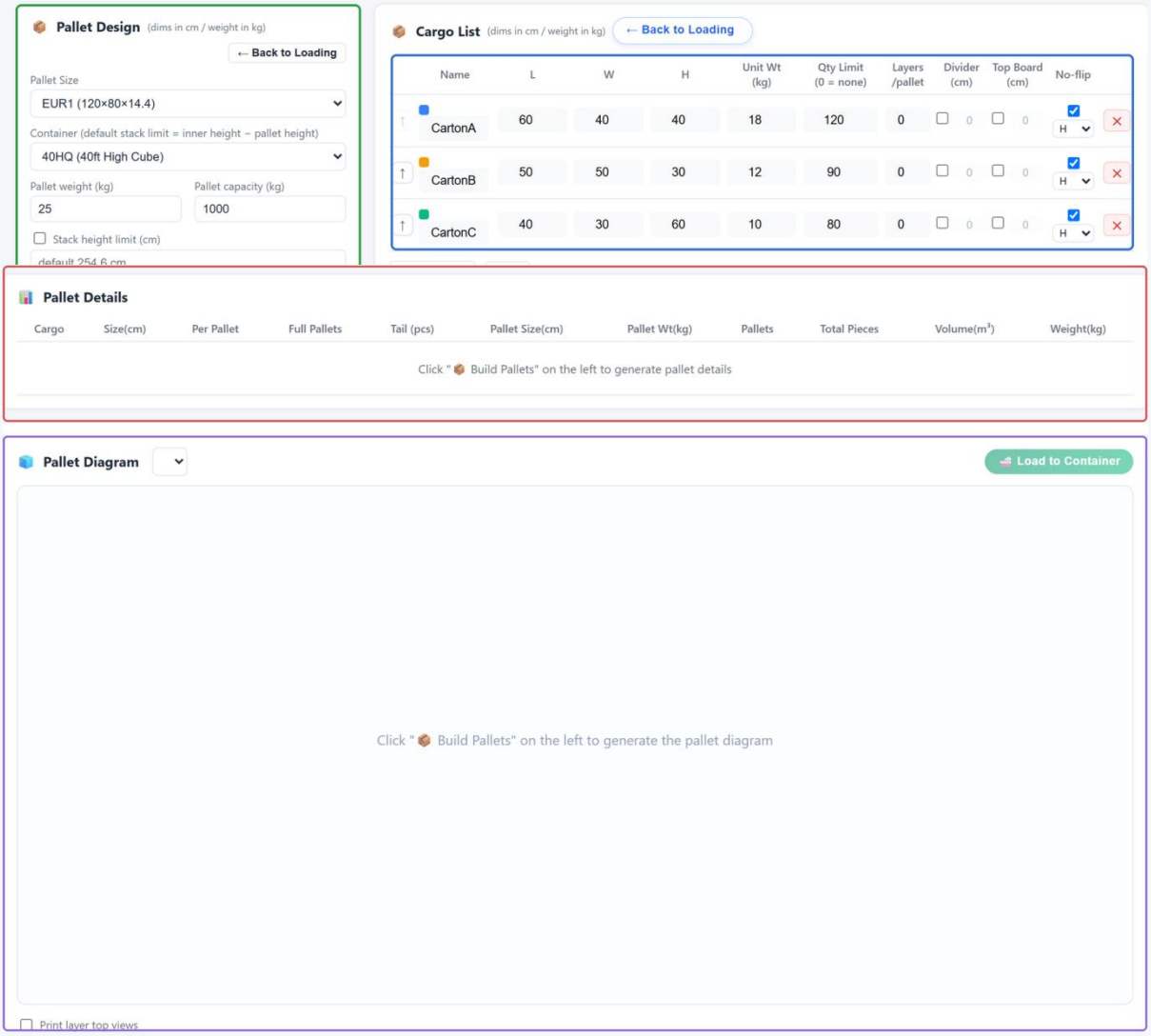


Figure 1 Main screen: the four panels

2.2 The pallet screen also has four panels. The border colours below match the coloured frames in the screenshot.

Border	Panel	What it does
Green	**Pallet Design**	Choose the pallet, the container type and the palletizing mode.
Blue	**Cargo List**	The cargo list carried over from the loading screen; cargo can also be entered and edited here.
Red	**Pallet Details**	Shows pallet results, including full-pallet and tail-pallet counts and dimensions.
Purple	**Pallet Diagram**	A 3D view of how the cargo actually sits on the pallet.



3. Calculation Workflows

There are two workflows: loading cargo straight into the container, or palletizing the cargo first and then loading the pallets.

- Loading without pallets: enter the cargo list, set the container parameters, then click Start Loading Calculation.
- Palletize first, then load: enter the cargo list, click Palletize, build the pallets, then click Load to Container and run the loading calculation.

3.1 Loading without Pallets

Step 1 Select the container

In the green panel, choose the container type; optionally set the payload limit and reserve an unloading aisle.

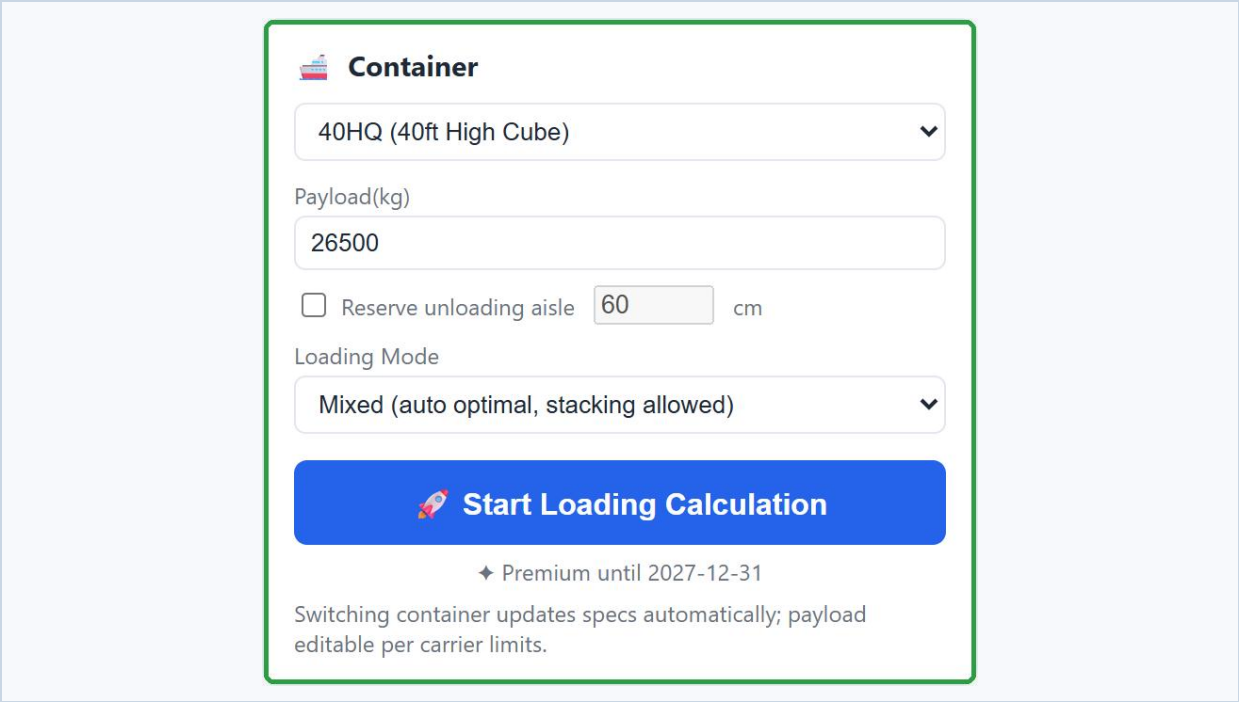


Figure 2 Container selection

Step 2 Enter the cargo dimensions

In the blue Cargo List, enter the length, width, height, unit weight and quantity limit of the cargo.

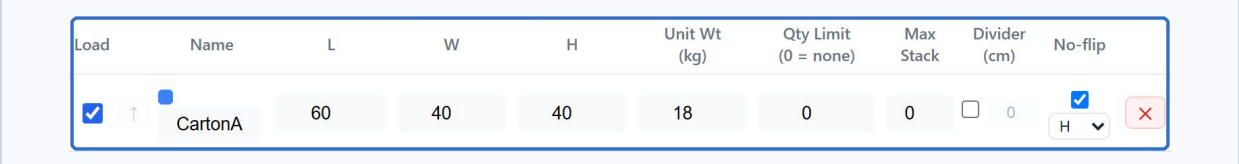


Figure 3 Entering the cargo list

Step 3 Choose the loading mode and calculate

Select a loading mode, then click Start Loading Calculation.

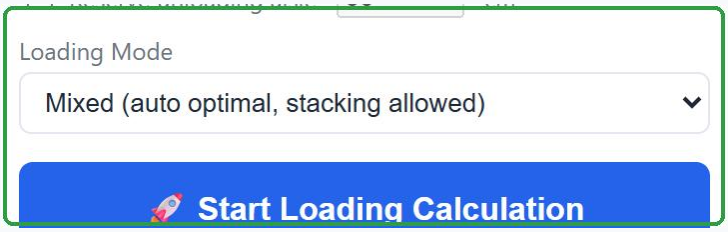


Figure 4 Loading mode and the calculate button

Step 4 Review the results

When the calculation finishes, the red panel shows the loading details and the purple panel shows the 3D diagram. The diagram looks like the following under different loading modes and stacking settings.

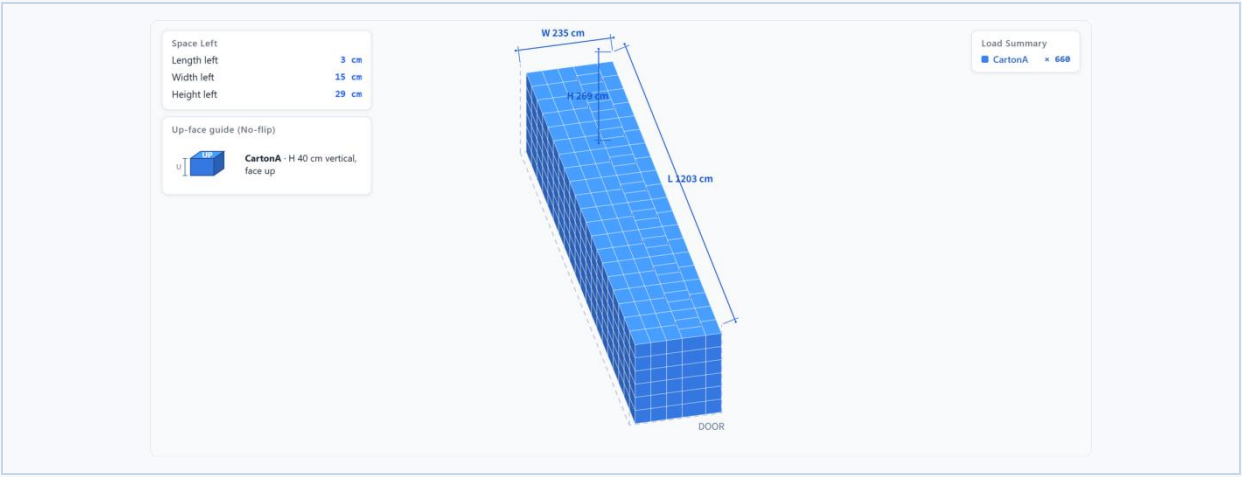


Figure 5 Single cargo · mixed loading, stacking allowed, cargo may be flipped

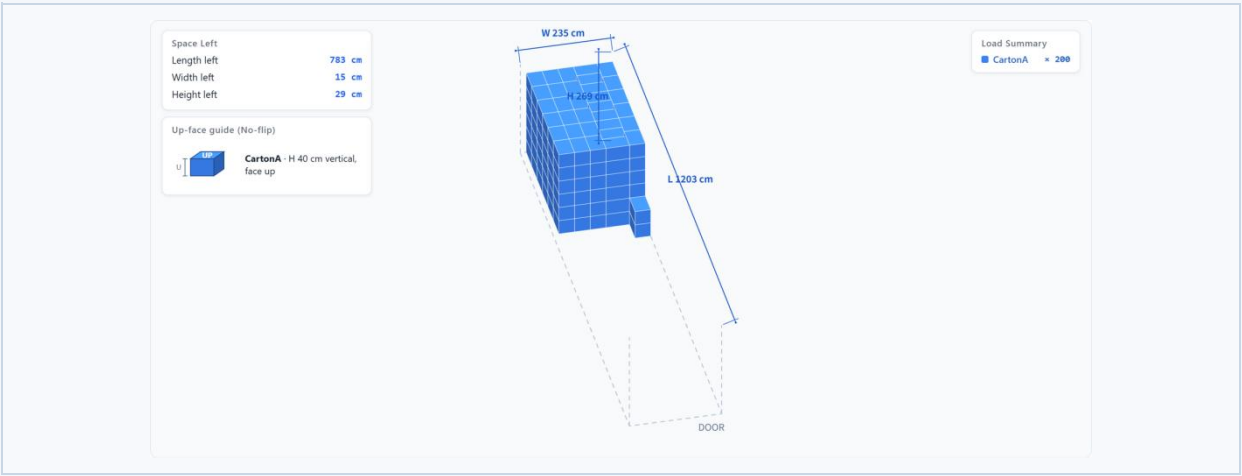


Figure 6 Single cargo · no-stack mixed loading, cargo must not be flipped

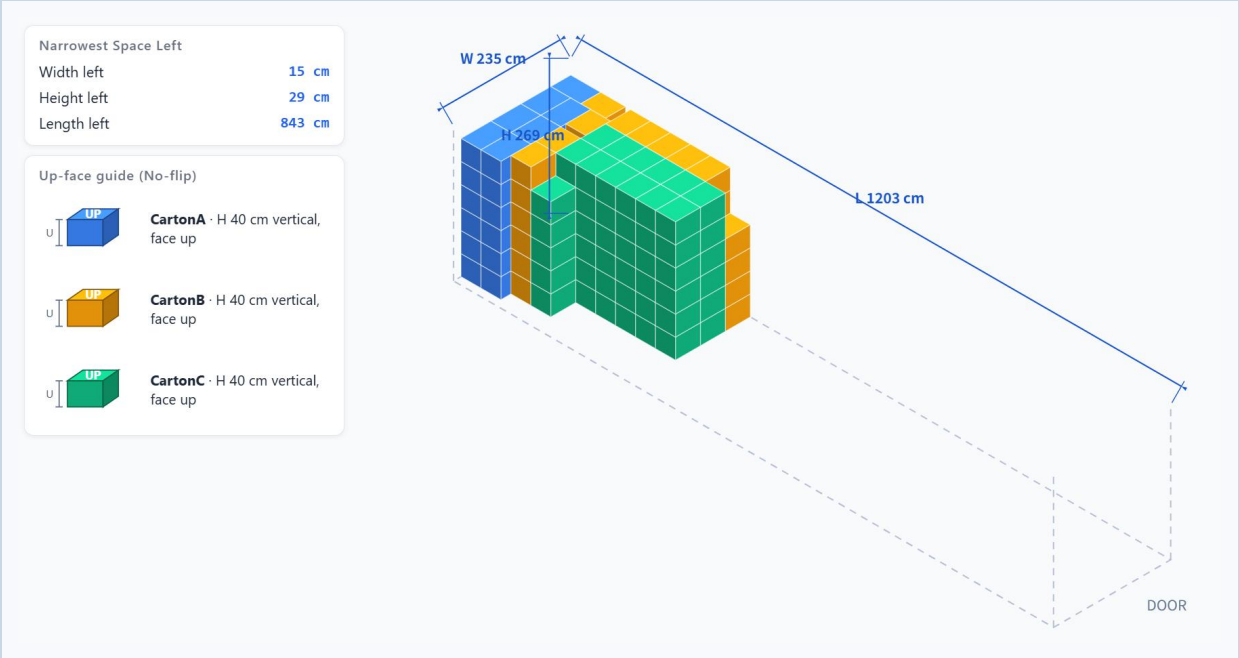


Figure 7 Multiple cargo types · no-stack mixed loading, cargo may be flipped

3.2 Palletize First, Then Load

Step 1 Enter the dimensions and quantity of each cargo

Enter the length, width, height, unit weight and quantity limit of each cargo row in the blue panel, then click Palletize to open the pallet screen.

Load	Name	L	W	H	Unit Wt (kg)	Qty Limit (0 = none)	Max Stack	Divider (cm)	No-flip
☑	CartonA	60	40	40	18	30	1	☐ 0	☑ H
☑	CartonB	50	50	30	12	30	1	☐ 0	☑ H
☑	CartonC	40	30	60	10	30	1	☐ 0	☑ H

Figure 8 Entering a multi-cargo list

Step 2 Set the palletizing parameters

In the Pallet Design panel, set the palletizing parameters — pallet type, target container type, single-SKU or layered mixed pallets — then click Build Pallets.

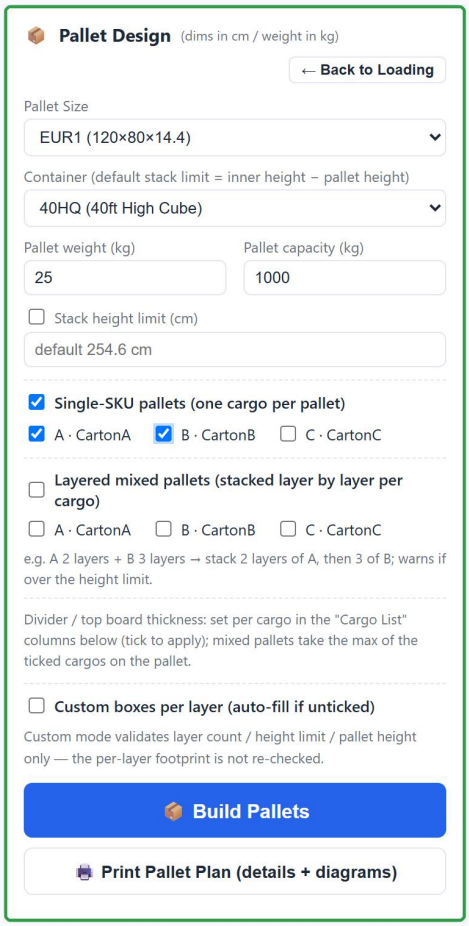
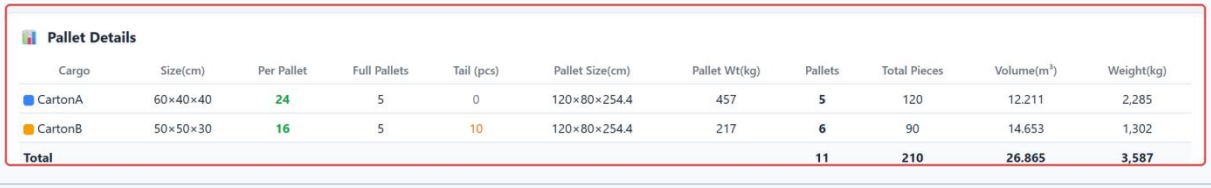


Figure 9 Pallet design parameters

Step 3 Review the results

Check the Pallet Details table and the Pallet Diagram.



Pallet Details

Cargo	Size(cm)	Per Pallet	Full Pallets	Tail (pcs)	Pallet Size(cm)	Pallet Wt(kg)	Pallets	Total Pieces	Volume(m^3)	Weight(kg)
CartonA	60×40×40	24	5	0	120×80×254.4	457	5	120	12.211	2,285
CartonB	50×50×30	16	5	10	120×80×254.4	217	6	90	14.653	1,302
Total							11	210	26.865	3,587

Figure 10 Pallet Details table

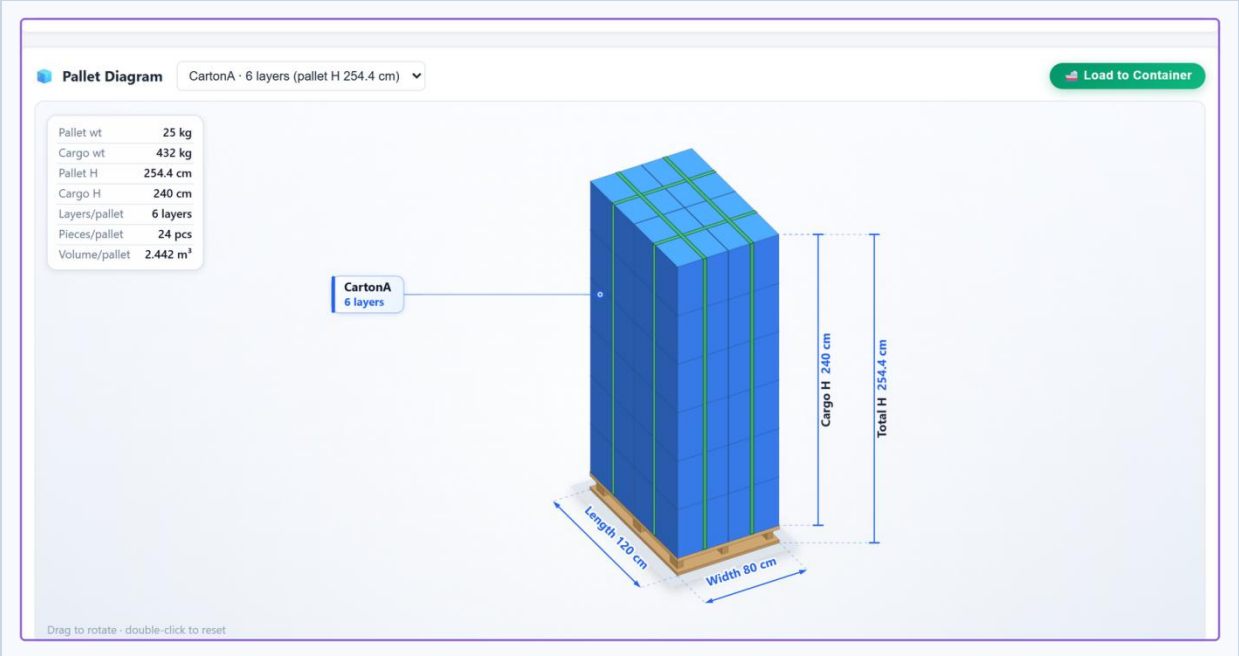


Figure 11 Pallet Details and Pallet Diagram

Step 4 Load the pallets into the container

To load the palletized cargo, click Load to Container at the top-right of the Pallet Diagram. The pallets are added to the Cargo List on the loading screen. Each palletized cargo name ends with "pallet"; a tail pallet ends with "last pallet", which tells palletized cargo apart from loose cargo. Then run the loading calculation as described in section 3.1.

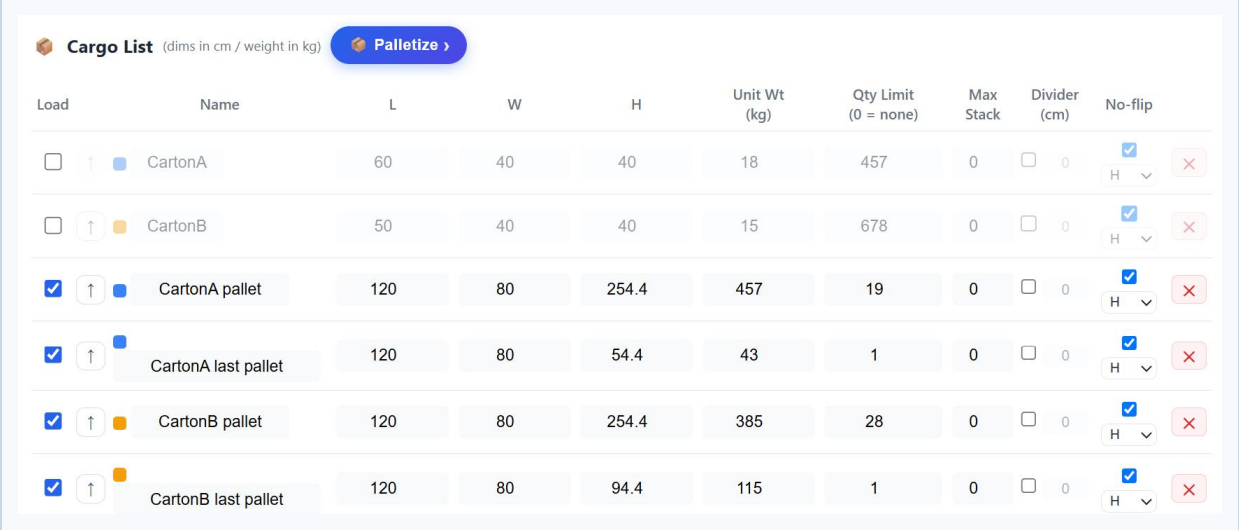


Figure 12 Palletized cargo names

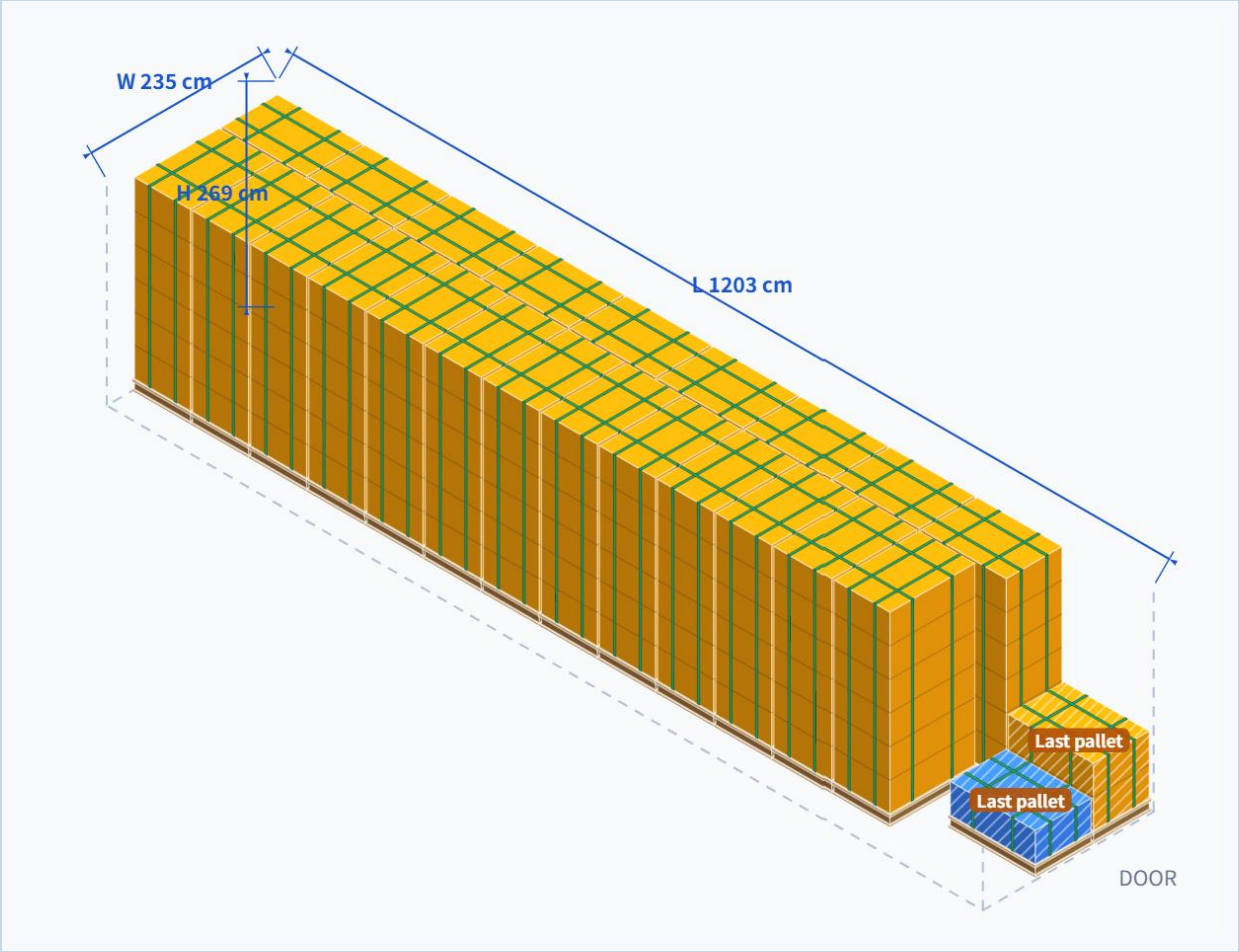


Figure 13 Loading diagram after the pallets are loaded