Container Loading Simulation with Freight Class

WWW.CBM3.NET

Report layout: Warehouse detail

Plan reference: r1-1d470a59ccb50109b2bc342d47a0f00b6a8c156ce96ee09d1e769a82ee9fd172
Visual loading steps. Check access and handling before loading.

1 * 20' Dry Container (20DC) | Dims: 589x235x239 cm | Vol: 33.081 m³
Cargo: 20.640 m³ | Weight: 2150.0 kg | Fill: 62.4%
Cargo/pallet subtotals and freight estimates exclude additional packing materials and equipment tare. They are not the complete loaded mass.
Placed cargo, added pallets and additional materials only; excludes unplaced cargo and equipment tare. Not VGM.
Total placed mass: Not assessed
Cargo units placed: 55/55 | Unplaced: 0
Estimated freight class: 125 | Density: 104.17 kg/m³

Estimate based on entered cargo density. Confirm the NMFC item, packaged dimensions, handling, stowability and liability requirements.

Loading method: Max Volume | Center of gravity: #1: Not assessed

20' Dry Container (20DC) #1 - Placed: 55 | Vol: 20.64 m³ | Weight: Not assessed					
Item Name	**Size**	**Weight**	**Qty**	**Volume (m³)**	**Color**
A · Cartons	60x80x40 cm	900.0 kg	45	8.640 m³	
B · Cases	100x120x100 cm	1250.0 kg	10	12.000 m³	
20' Dry Container (20DC) #1 - Total:			**55**	**20.640 m³**	

Transport Check

Planning estimates only; not a safety certificate or verified gross mass (VGM).

Assumes uniform mass and a centered center of gravity in each cargo unit. Distribution uses actual placements, not row order.

Placed cargo, added pallets and additional materials only; excludes unplaced cargo and equipment tare. Not VGM.

Distribution assumes uniform mass and a centered centre of gravity for declared rigid material bodies. This is a planning estimate, not transport approval.

Container 1

Total placed mass: Not assessed
Placed cargo + added pallets: 2150.0 kg
Additional material mass (counted once): Not assessed
Known mass subtotal (incomplete): 2150.0 kg
A current physical inventory for this equipment is required. If no additional materials exist, explicitly declare none.
Added pallet tare: 0.0 kg
Mass or placement data is missing. Balance cannot be assessed.
Payload: not assessed; mass or limit missing (28200.0 kg)

Sliding, tipping, securing and CSC/VGM: not assessed.

Container records: CSC / VGM

Planning estimates only; not a safety certificate or verified gross mass (VGM).

Records are not bound to the current saved calculation.

Revision 0

Private identities and evidence references excluded.

Container 1

Planning gross mass, including actual tare: Not assessed

Container binding: Missing data. Actual identity, equipment and plan container must match.

Material inventory reconciliation: Missing data. A physical inventory for this actual container is required, including an explicit declaration when there are no additional materials. [Planning consistency; MSC.1/Circ.1475 sections 2.1.6 and 5]

Entered plate limit: Missing data. Checks entered values only, not plate authenticity. [CSC safety approval plate; SOLAS VI/2]

CSC record: Missing data. CSC fields, evidence or voyage dates are missing or inconsistent. [CTU Code 8.2.1.4 and Annex 4]

VGM declaration record: Missing data. A physical inventory for this actual container is required, including an explicit declaration when there are no additional materials. [SOLAS VI/2; MSC.1/Circ.1475 sections 6, 7 and 10]

Declared minus planned mass: Missing data. Review the difference; no legal tolerance is assumed. [MSC.1/Circ.1475 section 9]

VGM submission: Missing data. A manually entered reference does not prove terminal receipt or timeliness. [MSC.1/Circ.1475 section 6]

Transport route and equipment

Private planning facts, not transport-safety approval.

Mechanical checks have not been completed. A complete route record is not a safe-to-ship result.

Records are not bound to the current saved calculation.

Revision 0

Private identities and evidence references excluded.

Container 1

Transport leg not defined | Departure | 55 units | Not assessed

Additional materials: Unknown; known subtotal 0 kg; complete total Unknown kg; cargo + pallets + additional materials Unknown kg (container tare excluded); occupied envelopes Unknown m³.

Material inventory is incomplete or unknown. Totals and available space are not verified.

Missing data: Enter actual equipment identity, revision and measurement evidence. [actual_equipment_record_required]

Missing data: Enter actual equipment identity, revision and measurement evidence. [transport_equipment_binding_required]

Missing data: Define a transport leg for every state with remaining cargo. [route_legs_required]

Transport leg not defined | Departure | Missing data: Define a transport leg for every state with remaining cargo. [remaining_load_has_no_route_leg]

Transport leg not defined | Departure | Missing data: Arrangement, support and securing evidence is missing. [arrangement_evidence_required]

Draft transport calculations

Numerical comparisons only, pending independent qualified review. Not a transport-safety approval. Missing or unsupported cases remain unassessed; these results do not guide optimization.

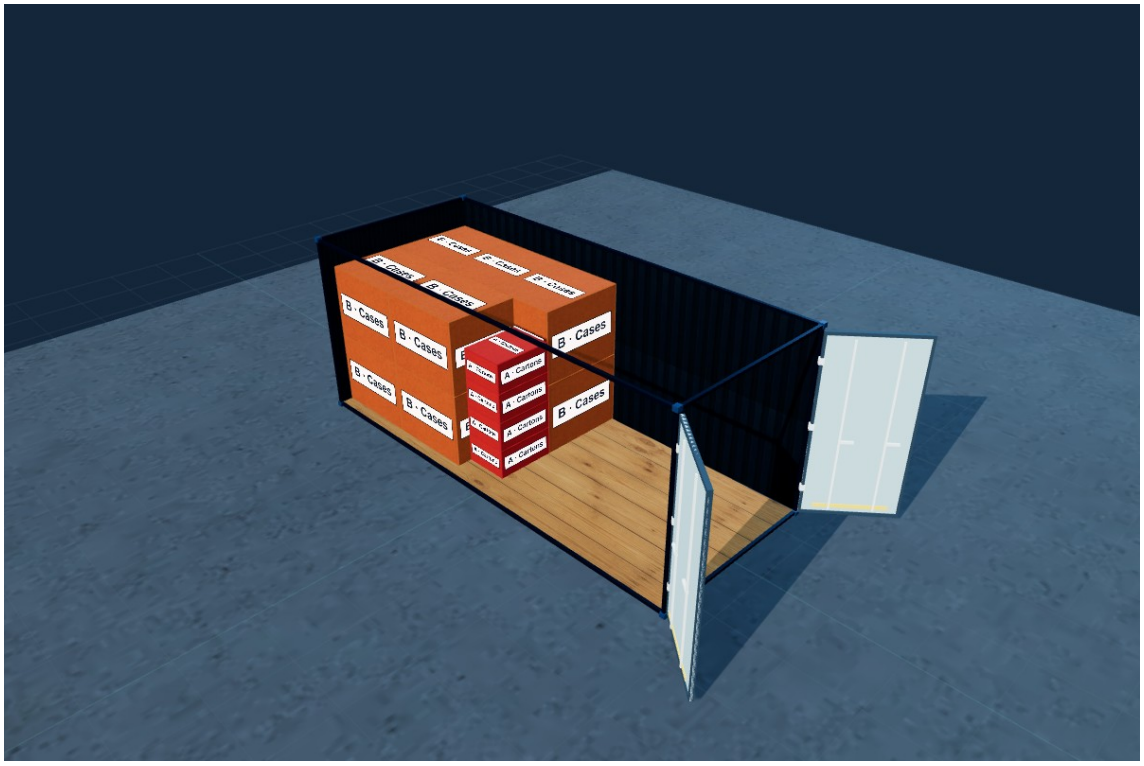
Not calculated for the current plan.

Reviewed-constraint search

This search applies only constraints explicitly covered by the current independent review. Other transport checks remain unassessed; this is not CTU/SOLAS certification. Cargo-row rules are not changed.

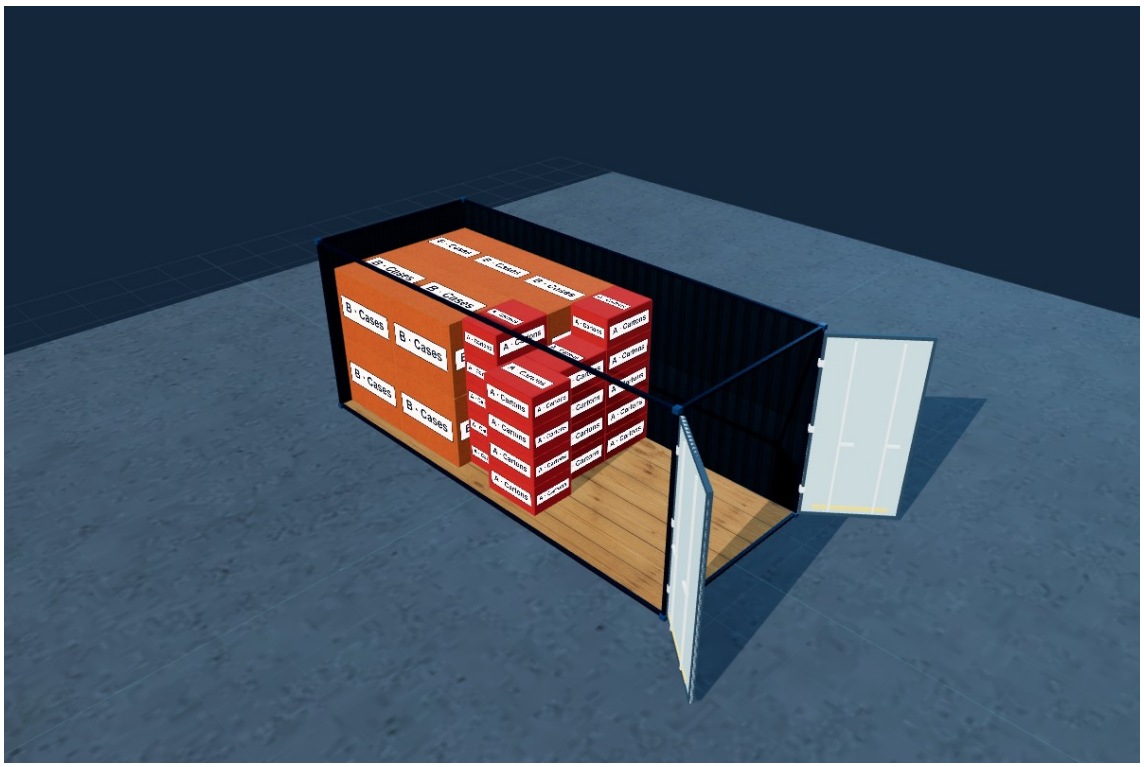
Requires a current saved plan, saved transport records and an independent review covering these inputs.

Loading order - 20' Dry Container (20DC) #1



Step 1: 4x A · Cartons (60x80x40 cm) | 10x B · Cases (100x120x100 cm)

Loading order - 20' Dry Container (20DC) #1



Step 2: 14x A · Cartons (60x80x40 cm)

Loading order - 20' Dry Container (20DC) #1



Step 3: 14x A · Cartons (60x80x40 cm)

Loading order - 20' Dry Container (20DC) #1



Step 4: 13x A · Cartons (60x80x40 cm)