

18 pieces. One 20 ft container.

A reproducible mixed load of machine crates and spares cartons. This report uses a recorded engine run; it is not a customer shipment or a comparative benchmark.

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pieces placed

9.072 m3

cargo volume

2,580 kg

cargo weight

INPUT

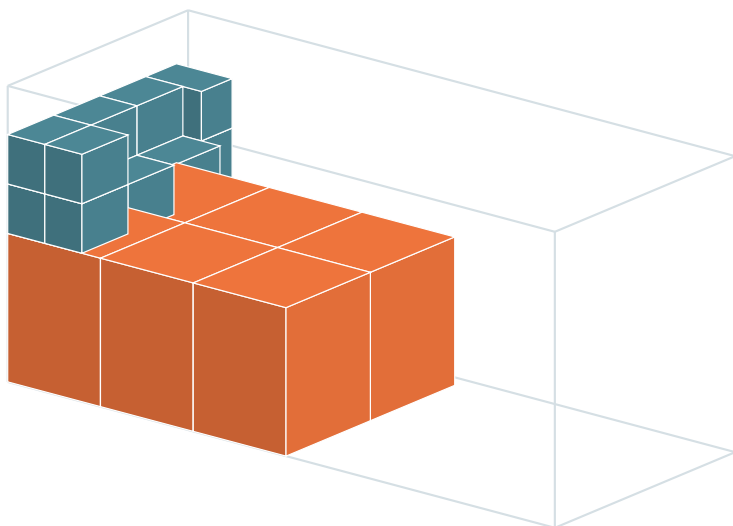
20 ft dry container

Inside: 589.8 x 235.2 x 239.3 cm | Payload limit: 28,200 kg

Item	Qty	L x W x H (cm)	Each (kg)	Rules
Machine crate	6	120 x 100 x 110	400	Stackable; floor only
Spares carton	12	60 x 40 x 40	15	Stackable; upright

Single container | Auto load order | Use entered quantities | cm / kg

RECORDED ARRANGEMENT



Orange: machine crates | Blue: spares cartons

All pieces fit: 27.33% of interior volume and 9.15% of the stated payload limit. The drawing uses the coordinates listed on page 2; empty space is not a guarantee that any additional cargo will fit.

Inspect and reproduce the result

Coordinates and oriented dimensions below are in centimetres. X runs across the width, Y vertically, and Z along the length. Each coordinate marks the near lower corner of the piece.

Piece	X (cm)	Y (cm)	Z (cm)	Oriented L x W x H (cm)
Crate 1	0	0	100	100 x 110 x 120
Crate 2	110	0	200	100 x 110 x 120
Crate 3	110	0	100	100 x 110 x 120
Crate 4	0	0	200	100 x 110 x 120
Crate 5	0	0	0	100 x 110 x 120
Crate 6	110	0	0	100 x 110 x 120
Carton 1	0	120	0	40 x 60 x 40
Carton 2	60	120	0	40 x 60 x 40
Carton 3	120	120	0	40 x 60 x 40
Carton 4	0	160	0	40 x 60 x 40
Carton 5	60	160	0	40 x 60 x 40
Carton 6	120	160	0	40 x 60 x 40
Carton 7	0	120	40	40 x 60 x 40
Carton 8	60	120	40	40 x 60 x 40
Carton 9	120	120	40	40 x 60 x 40
Carton 10	180	120	0	60 x 40 x 40
Carton 11	180	160	0	60 x 40 x 40
Carton 12	0	160	40	40 x 60 x 40

Open the same example

Use the free replay and downloadable input workbook at 3dpack.ing/guide. The JSON download contains these exact placements and run metadata. Recalculating may produce a different valid arrangement.

Method and checks

Recorded with the local 3DPACK.ING packing engine, seed 42, Fast search, MinimizeLength (the Auto choice for this load). Checks passed for piece counts, boundaries, overlaps, floor-only crates and upright cartons. This is one feasible result, not a proof of optimality.

Confirm handling, lashing, axle loads and carton strength separately before transport. The example does not certify loading safety or claim freight savings.

Result JSON SHA-256:

a483b459882efb06922dd7d0d851e892940446318630991be3555a9890f8df59