

Ocean & Rail Container Specifications & Payload Chart

Official technical specifications covering ISO standard container dimensions, door clearances, tare weights, maximum payloads, and Euro pallet capacities for international freight planning.

1. Standard Dry Van and High Cube Shipping Containers

Equipment Type	Internal Dimensions (L x W x H)	Door Aperture (W x H)	Tare Weight	Max Gross Mass	Max Net Payload	Cubic Capacity & Pallets
20' Standard (20'GP)	5.90 m x 2.35 m x 2.39 m	2.34 m x 2.28 m	2,230 kg	30,480 kg	28,250 kg	33.2 m³ / 11 Pallets
40' Standard (40'GP)	12.03 m x 2.35 m x 2.39 m	2.34 m x 2.28 m	3,740 kg	32,500 kg	28,760 kg	67.7 m³ / 24-25 Pallets
40' High Cube (40'HC)	12.03 m x 2.35 m x 2.69 m	2.34 m x 2.58 m	3,900 kg	32,500 kg	28,600 kg	76.4 m³ / 24-25 Pallets
45' High Cube Pallet Wide	13.55 m x 2.44 m x 2.69 m	2.41 m x 2.58 m	4,800 kg	34,000 kg	29,200 kg	86.0 m³ / 33 Pallets

2. Specialized Equipment (Open Top, Flat Rack, Reefer)

Equipment Type	Internal Dimensions (L x W x H)	Primary Application	Tare Weight	Max Payload	Key Structural Advantage
20' Open Top (20'OT)	5.89 m x 2.35 m x 2.38 m	Heavy plant machinery, castings	2,350 kg	28,130 kg	Soft removable roof for overhead crane loading
40' Open Top (40'OT)	12.02 m x 2.35 m x 2.38 m	Long industrial pipes and steel rails	3,850 kg	28,650 kg	Swinging header bar over rear doors
20' Flat Rack (20'FR)	5.63 m x 2.20 m x 2.23 m	Out-of-gauge crawlers and excavators	2,750 kg	31,250 kg	Collapsible end walls, side-loading
40' Flat Rack (40'FR)	11.65 m x 2.20 m x 2.24 m	Transformers, boilers, modules	5,300 kg	39,700 kg	Heavy-duty reinforced longitudinal chassis
40' Reefer High Cube	11.58 m x 2.29 m x 2.50 m	Pharma, fresh food, deep frozen meat	4,500 kg	29,500 kg	Active precision control (-30°C to +30°C)