Multi-Modal Ruler

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Ocean Containers

Specifications vary. HC = High Cube.

Type	Length	Width	Height	Tare	Payload	Capacity
Gen. Purpose 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	5,290 lbs 2,400 kg	61,910 lbs 28,080 kg	1,169 ft³ 33.1 m³
Gen. Purpose 24'	24' 7.27 m	8' 2.438 m	8'6" 2.591 m	5,800 lbs 2,631 kg	74,000 lbs 33,566 kg	1,400 ft³ 39.6 m³
Gen. Purpose 40'	40' 12.192 m	8' 2.438 m	8'6" 2.591 m	8,820 lbs 4,000 kg	58,380 lbs 26,480 kg	2,385 ft³ 67.5 m³
Gen. Purpose HC 40'	40' 12.192 m	8' 2.438 m	9'6" 2.896 m	9,260 lbs 4,200 kg	57,940 lbs 26,280 kg	2,690 ft³ 76.2 m³
Hardtop 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	5,710 lbs 2,590 kg	61,490 lbs 27,890 kg	1,158 ft³ 32.8 m³
Hardtop 40'	40' 12.192 m	8' 2.438 m	8'6" 2.591 m	10,360 lbs 4,700 kg	56,840 lbs 25,780 kg	2,373 ft³ 67.2 m³
Open Top 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	4,960 lbs 2,250 kg	66,690 lbs 30,250 kg	1,148 ft³ 32.5 m³
Open Top 40'	40' 12.192 m	8' 2.438 m	8'6" 2.591 m	8,929 lbs 4,050 kg	62,721 lbs 28,450 kg	2,327 ft³ 65.9 m³
Flat 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	6,482 lbs 2,940 kg	81,702 lbs 37,060 kg	1,169 ft³+ 33.1 m³+
Flat 40'	40' 12.192 m	8' 2.438 m	8'6" 2.591 m	9,265 lbs 4,200 kg	57,935 lbs 26,935 kg	2,385 ft³+ 67.5 m³+
Platform 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	6,480 lbs 2,940 kg	81,700 lbs 37,060 kg	1,169 ft³+ 33.1 m³+
Platform 40'	40' 12.192 m	8' 2.438 m	8'6" 2.591 m	13,120 lbs 5,950 kg	97,110 lbs 44,050 kg	2,385 ft³+ 67.5 m³+
Insulated 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	5,400 lbs 2,450 kg	47,510 lbs 21,550 kg	929 ft³ 26.3 m³
Insulated 40'	40' 12.192 m	8' 2.438 m	8'6" 2.591 m	8,490 lbs 3,850 kg	58,710 lbs 26,630 kg	2,140 ft³ 60.6 m³
Ventilated 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	5,940 lbs 2,490 kg	61,710 lbs 27,990 kg	1,165 ft³ 33.0 m³
Bulk 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	5,220 lbs 2,370 kg	47,690 lbs 21,630 kg	1,162 ft³ 32.9 m³
Refrigerated 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	6,400 lbs 2,902 kg	60,800 lbs 27,578 kg	1,017 ft³ 28.8 m³
Refrigerated 40'	40' 12.192 m	8' 2.438 m	8'6" 2.591 m	9,150 lbs 4,150 kg	58,150 lbs 26,376 kg	2,390 ft³ 67.7 m³
Refrigerated HC 40'	40' 12.192 m	8' 2.438 m	9'6" 2.896 m	9,150 lbs 4,150 kg	65,810 lbs 29,850 kg	2,390 ft³ 67.7 m³
Tank 20'	20' 6.058 m	8' 2.438 m	8'6" 2.591 m	7,462 lbs 3,385 kg	71,903 lbs 32,615 kg	6,340 gallons 24,000 liters

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Unit Load Devices

Main Deck Pallet w/net
IATA Type 1/1S
IATA Prefix: PG
Aircraft: DC10-30 F, 747F
L: 6,058 mm (238.5 in)
W: 2,438 mm (96 in)
H: 2,438 mm (96 in)
Tare: 400 kg (882 lbs)
Capacity: 33.25 m³ (1,174 ft³)
Gross: 13,608 kg (30,000 lbs)

Main Deck Pallet w/net
IATA Type 2/2Q
IATA Prefix: PM
Aircraft: DC10-30 F, 747F
L: 3,175 mm (125 in)
W: 2,438 mm (96 in)
H: 2,438 mm **(96 in)**
Tare: 130 kg (287 lbs)
Capacity: 17.16 m³ (606 ft³)
Gross: 6,804kg (15,000 lbs)

Main Deck Pallet w/net
IATA Type 2H
IATA Prefix: PM
Aircraft: DC10-30 F, 747F
L: 3,175 mm (125 in)
W: 2,438 mm (96 in)
H: 2,997 mm (118 in)
Tare: 130 kg (287 lbs)
Capacity: 21.16 m³ (747 ft³)
Gross: 6,804kg (15,000 lbs)

Pallet w/net
IATA Type 2WA
IATA Prefix: PM
Aircraft: DC10-30, F, DC10-30, 747, 747F
L: 3,175 mm (125 in)
W: 2,438 mm (96 in)
H: 1,626 mm (64 in)
Tare: 130 kg (287 lbs)
Capacity: 33.25 m³ (1,174 ft³)
Gross: 5,035 kg (11,100 lbs)

Pallet w/net
IATA Type 5
IATA Prefix: PA
Aircraft: DC10-30 F, DC10-30
L: 3,175 mm (125 in)
W: 2,235 mm (88 in)
H: 1,626 mm (64 in)
Tare: 120 kg (264 lbs)
Capacity: 9.91 m³ (350 ft³)
Gross: 5,035 kg (11,100 lbs)

Lower Deck Pallet w/net
IATA Type 6
IATA Prefix: PL
Aircraft: DC10, DC10-30 F, 747, 777
L: 3,175 mm (125 in)
W: 1,534 mm (60.4 in)
H: 1,626 mm (64 in)
Tare: 90 kg (198 lbs)
Capacity: 6.94 m³ (245 ft³)
Gross: 3,175 kg (7,000 lbs)

Lower Deck Container
IATA Type 28G
IATA Prefix: AMU
Aircraft: 747, 747F
L: 3,175 mm (125 in)
W: 2,438 mm (96 in)
H: 1,626 mm (64 in)
Tare: 200 kg (440 lbs)
Capacity: 13.7 m³ (480 ft³)
Gross: 6,033 kg (13,300 lbs)

Main Deck Container
IATA Type 2/2Q
IATA Prefix: AMA
Aircraft: 747F
L: 3,175 mm (125 in)
W: 2,438 mm (96 in)
H: 2,438 mm (96 in)
Tare: 260 kg (572 lbs)
Capacity: 17.16 m³ (606 ft³)
Gross: 6,804 kg (15,000 lbs)

Upper Deck Container
IATA Type 5
IATA Prefix AAK
ATA: LD-7
L: 3,175 mm (125 in)
W: 2,235 mm (88 in)
H: 1,626 mm (64 in)
Tare: 200 kg (440 lbs)
Capacity: 9.91 m³ (350 ft³)
Gross: 6,033 kg (13,300 lbs)

Main Deck Container
IATA Type 5
IATA Prefix AAP
ATA: LD-9
Aircraft: 747, 747F, L1011
L: 3,175 mm (125 in)
W: 2,235 mm (88 in)
H: 1,626 mm (64 in)
Tare: 200 kg (440 lbs)
Capacity: 9.91 m³ (350 ft³)
Gross: 6,033 kg (13,300 lbs)

Lower Deck Container
IATA Type 6B
IATA Prefix: AQ
ATA: LD-8
Aircraft: 777, 767
L: 2,438 mm (96 in)
W: 1,534 mm (60.4 in)
H: 1,626 mm (64 in)
Tare: 120 kg (264 lbs)
Capacity: 9.91 m³ (350 ft³)
Gross: 2,449 kg (5,400 lbs)

Lower Deck Container
IATA Type 6
IATA Prefix: ALF
ATA: LD-6
Aircraft: 747, 747F, L1011
L: 3,175 mm (125 in)
W: 1,534 mm (60.4 in)
H: 1,626 mm (64 in)
Tare: 180 kg (397 lbs)
Capacity: 6.94 m³ (245 ft³)
Gross: 3,175 kg (7,000 lbs)

Lower Deck Container
IATA Type 8
IATA Prefix AK
ATA: LD-3
Aircraft: DC10-30 F, DC10, 747, 777, 767
L: 1,562 mm (61.5 in)
W: 1,534 mm (60.4 in)
H: 1,626 mm (64 in)
Tare: 70 kg (154 lbs)
Capacity: 4.53 m³ (160 ft³)
Gross: 1,588 kg (3,500 lbs)

Lower Deck Container
IATA Type 8D
Prefix: APA
APA: LD-2
Aircraft: DC10-30 F, DC10, 747, 777, 767
L: 1,194 mm (47 in)
W: 1,534 mm (60.4 in)
H: 1,626 mm (64 in)
Tare: 70 kg (154 lbs)
Capacity: 3.4 m³ (120 ft³)
Gross: 1,225 kg (2,700 lbs)

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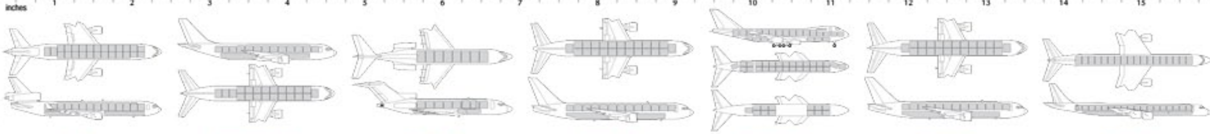
Cargo Aircraft



MD-11 · Airbus A300-600 Freighter · Boeing 727-100 · Boeing 767-300 · Boeing 747 Freighter · Boeing 757-200 · Douglas DC-8

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Cargo Ships

Traditional Freighter · Container Vessel · Container Vessel with Deck Cranes · Ro-Ro (Roll-on Roll-off) Vessel · Dry Bulk Carrier · LNG (Liquified Natural Gas) Carrier · Crude Oil Tanker

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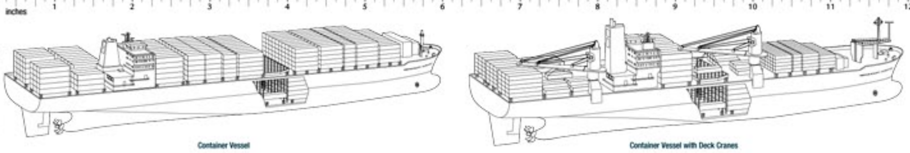
Container Ships



Container Vessel · Container Vessel with Deck Cranes

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Weights & Measures Conversion Tables

DISTANCE

TO CONVERT	TO	MULTIPLY BY	CONVERSION
millimeters (mm)	inches (in)	0.03937	1mm = 0.03937in
centimeters (cm)	inches (in)	0.3937	1cm = 10mm = 0.3937in
meters (m)	yards (yd)	1.0936	1m = 100 cm = 1.0936yd
kilometers (km)	miles (mi)	0.6214	1km = 1000m = 0.6214mi
inches (in)	millimeters (mm)	25.4	1in = 25.4mm
inches (in)	centimeters (cm)	2.54	1in = 2.54cm
feet (ft)	meters (m)	0.3048	1ft = 12in = 0.3048m
yards (yd)	meters (m)	0.9144	1yd = 3ft = 36in = 0.9144m
miles (mi)	kilometers (km)	1.6093	1mi = 1760yd = 1.6093km
nautical miles (nm)	kilometers (km)	1.852	1nm = 2025.4 yd = 1.852km

AREA

TO CONVERT	TO	MULTIPLY BY	CONVERSION
square centimeters (cm²)	square inches (in²)	0.155	1cm² = 0.155in²
square meters (m²)	square yards (yd²)	1.196	1m² = 1.196yd²
hectare (ha)	acre	2.4710	1ha = 2.4710acres
square kilometers (km²)	square miles (mi²)	0.3861	1km² = 0.3861mi²
square inches (in²)	square centimeters (cm²)	6.4516	1in² = 6.4516cm²
square feet (ft²)	square meters (m²)	0.0929	1ft² = 0.0929m²
square yards (yd²)	square meters (m²)	0.8361	1yd² = 0.8361m²
acre	hectare (ha)	0.4047	1 acre = .4047ha
square mile (mi²)	square kilometers (km²)	2.59	1mi² = 2.59km²

VOLUME/CAPACITY

TO CONVERT	TO	MULTIPLY BY	CONVERSION
cubic centimeters (cm³)	cubic inches (in³)	0.0610	1cm³ = 0.0610 in³
cubic meters (m³)	cubic yards (yd³)	1.3080	1m³ = 1000dm³ = 1.3080 yd³
liters (l)	UK gallon	.2199	1liter = .2199 UK gal
liters (l)	US gallon (gal)	.2642	1liter = .2642 US gal
cubic inches (in³)	cubic centimeters (cm³)	16.387	1in³ = 16.387 cm³
cubic feet (ft³)	cubic meters (m³)	0.0283	1ft³ = 1728in³ = 0.0283m³
UK fluid ounces (fl oz)	milliliters (ml)	28.413	1 UK fl oz = 28.413ml
UK gallons (gal)	liters (l)	4.5461	1 UK gal = 8 pt = 4.5461 l
US fluid ounces (fl oz)	milliliters (ml)	29.573	1 US fl oz = 1.0408 UK fl oz = 29.573 ml
US gallons (gal)	liters (l)	3.78541	1 US gal = 0.8327 UK gal = 3.78541 l

MASS/WEIGHT

TO CONVERT	TO	MULTIPLY BY	CONVERSION
milligrams (mg)	grains	0.0154	1mg = 0.0154 grains
grams (g)	ounces (oz)	0.0353	1g = 1000mg = 0.0353 oz
kilograms (kg)	pounds (lb)	2.2046	1kg = 1000g = 2.2046 lbs
tonnes (t)	long tons (UK)	0.9842	1t = 1000 kg = 0.9842 tons
ounces (oz)	grams (g)	28.35	1oz = 437.5 grain = 28.35 g
pounds (lb)	kilograms (kg)	0.4536	1lb = 16 oz = 0.4536kg
stones	kilograms (kg)	6.3503	1 stone = 14 lb = 6.3503kg
UK hundredweight (cwt)	kilograms (kg)	50.802	1cwt = 112 lb = 50.802kg
long tons (UK)	tonne (t)	1.016	1 long ton (UK) = 20 cwt = 1.016t

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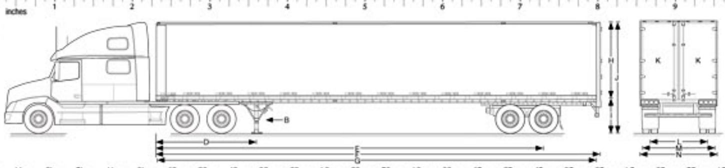
Guide to Trailer Dimensions



- **A** Kingpin
- **B** Landing Gear
- **C** Distance to Kingpin
- **D** Distance to Landing Gear
- **E** Wheelbase
- **F** Length Overall
- **G** Length Interior
- **H** Door Opening
- **I** Floor Height
- **J** Height Overall
- **K** Swing Doors
- **L** Track
- **M** Width Interior
- **N** Width Overall

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Freight (Van, Box) Trailer

Front View - *Trailer above "Landing Gear" below*

Rear View *(Note swing doors)*

Use
- Freight trailers (also called dry vans or simply "boxes") are designed to carry virtually any kind of boxed, crated, or palletized freight.

Configurations
- Standard lengths: 28', 32', 36', 40', 42', 43', 45', 48' and 53'.
- Standard widths: 96"–102"
- Standard heights: 12.5'–13.5' overall.
- Shorter trailers are typically used for local deliveries or in tandem "truck trains."
- Standard axle/wheel configuration: 2-axle/8-wheel. For heavier loads: 3-axle/12-wheel or 4-axle/16-wheel configurations are also available.

Overall			Interior			Rear Swing Door		CAPACITY (vol)	TARE
Length	Width	Height	Length	Width	Height	Width	Height		
40'	96"	12'6"	39'6"	92.5"	94.5"	92"	92"	2,398 cu ft	11,300 lbs
	96"	13'0"	39'6"	92.5"	100.5"	92"	98"	2,550 cu ft	11,400 lbs
	96"	13'6"	39'6"	92.5"	106.5"	92"	104"	2,702 cu ft	11,500 lbs
42'/43'	96"	12'6"	41'6"/42'6"	92.5"	94.5"	92"	92"	2,549 cu ft	11,800/12,000 lbs
	96"	13'0"	41'6"/42'6"	92.5"	100.5"	92"	98"	2,711 cu ft	11,900/12,100 lbs
	96"	13'6"	41'6"/42'6"	92.5"	106.5"	92"	104"	2,873 cu ft	12,000/12,200 lbs
45'	96"	12'6"	44'6"	92.5"	94.5"	92"	92"	2,701 cu ft	12,400 lbs
	96"	13'0"	44'6"	92.5"	100.5"	92"	98"	2,873 cu ft	12,500 lbs
	96"	13'6"	44'6"	92.5"	106.5"	92"	106"	3,044 cu ft	12,600 lbs
	102"	13'6"	44'6"	92.5"	106.5"	98"	106"	3,242 cu ft	12,950 lbs
48'	96"	13'6"	47'6"	92.5"	106.5"	92"	106.5"	3,250 cu ft	13,200 lbs
	102"	13'6"	47'6"	98.5"	100.625"	98"	100.625"	3,464 cu ft	13,500 lbs
		13'6"	47'6"	98.5"	108"	98"	108"	3,509 cu ft	13,500 lbs
53'	102"	13'6"	47'6"	98.5"	107.375"	94"	102"	3,489 cu ft	14,400 lbs

Customize Your Ruler

Mix and Match Items to Suit Your Needs

Your Branding and Logo Here

Your URL • Your Tagline • Any Ink Color