



MACATLAS  
FREIGHT



# CONTAINER SPECIFICATIONS



# INTRODUCTION



We offer our clients basic size types in 20'ft and 40'ft container. With this wide range of standard and special containers we can provide you with the most suitable container for your shipments.

There is also various types of extra equipment:

- Hanger beams which allow transport of garments on hangers without further packing
- Extra high payload and extra door-width versions
- Bull rings, lashing bars and lashing to give your cargo additional security

This brochure provides exemplary technical data on containers we able to offer such as:

- Dimensions
- Weights
- Design Features

The technical data and diagrams are intended as a guide only as equipment will slightly vary from carrier to carrier.



## STANDARD DRY CONTAINERS

Dry containers 20'ft and 40'ft (general purpose) are manufactured either from aluminium or steel. They are suitable for most types of cargo. Aluminium dry containers have slightly larger payload than steel, and steel dry containers have slightly larger internal cube.

### Dry Container Specifications

Specific dimensions and capacity of dry containers may vary depending on the container manufacturer, the age of the container and the container carrier. The specifications listed are, however, representative.

#### 20'ft Dry Standard Container



<b>Interior Length</b>		<b>Interior Width</b>		<b>Interior Height</b>	
5,9 m	19,4 ft	2,35 m	7,7 ft	2,39 m	7,9 ft
<b>Door Opening Width</b>			<b>Door Opening Height</b>		
2,34 m		7,7 ft	2,28 m		7,5 ft
<b>Tare Weight</b>		<b>Max Gross</b>		<b>Volume</b>	
2,300 kg	5,071.5 lb	25,000 kg	55,126.9 lb	33,2 m <sup>3</sup>	1,172 cu ft

## 40'ft Dry Standard Container



Interior Length		Interior Width		Interior Height	
12,03 m	39,5 ft	2,35 m	7,7 ft	2,39 m	7,9 ft
Door Opening Width			Door Opening Height		
2,34 m		7,7 ft	2,28 m		7,5 ft
Tare Weight		Max Gross		Volume	
3,750 kg	8,268.8 lb	27,600 kg	61,200 lb	67,7 m <sup>3</sup>	2,389 cu ft

## HIGH CUBE DRY CONTAINERS

High cube dry containers ensure that you gain an extra foot in height compared with standard dry containers. The high cub dry containers are ideal for light, voluminous or bulky cargo. These extra volume containers are made in 40' and 45' sizes in steel and aluminium.

### High Cube Dry Container Specifications

Specific dimensions and capacity of high cube dry containers may vary depending on the container manufacturer, the age of the container and the container carrier. The specifications listed are, however, representative.

## 40'ft Dry High Cube Container



Interior Length		Interior Width		Interior Height	
12,03 m	39,5 ft	2,35 m	7,7 ft	2,70 m	8,9 ft
Door Opening Width			Door Opening Height		
2,34 m		7,7 ft	2,58 m		8,5 ft
Tare Weight		Max Gross		Volume	
3,940 kg	8,687.7 lb	28,560 kg	62,974.8 lb	76,4 m <sup>3</sup>	2,696.9 cu ft

## 45'ft Dry High Cube Container



Interior Length		Interior Width		Interior Height	
13,56 m	44,5 ft	2,35 m	7,7 ft	2,70 m	8,9 ft
Door Opening Width			Door Opening Height		
2,34 m		7,7 ft	2,58 m		8,5 ft
Tare Weight		Max Gross		Volume	
4,820 kg	10,628.1 lb	27,860 kg	61,431.3 lb	86 m <sup>3</sup>	3,035.8 cu ft

## REEFER CONTAINERS

Reefer or refrigerated containers are used to transport cargo requiring temperature-controlled conditions in transit, such as fruit, vegetables, dairy products and meat. It is fitted with a refrigerated unit which is connected to the carrying ship's electrical power supply.

### Reefer Container Specifications

Specific dimensions and capacity of reefer containers (refrigerated containers) may vary depending on the container manufacturer, the age of the container and the container carrier. The specifications listed are, however, representative.

#### 20'ft Refrigerated Container



<b>Interior Length</b>		<b>Interior Width</b>		<b>Interior Height</b>	
5,44 m	17,9 ft	2,29 m	7,5 ft	2,27 m	7,5 ft
<b>Door Opening Width</b>			<b>Door Opening Height</b>		
2,23 m		7,3 ft	2,10 m		6,9 ft
<b>Tare Weight</b>		<b>Max Gross</b>		<b>Volume</b>	
3,080 kg	6,769.4 lb	27,400 kg	60,417 lb	28,3 m <sup>3</sup>	999 cu ft

## 40'ft Refrigerated Container



Interior Length		Interior Width		Interior Height	
11,56 m	37,9 ft	2,28 m	7,5 ft	2,25 m	7,4 ft
Door Opening Width			Door Opening Height		
2,29 m		7,5 ft	2,26 m		7,4 ft
Tare Weight		Max Gross		Volume	
4,800 kg	10,584 lb	27,700 kg	61,078.5 lb	59,3 m <sup>3</sup>	2,093.3 cu ft

## 40'ft High Cube Refrigerated Container



Interior Length		Interior Width		Interior Height	
11,58 m	38,0 ft	2,29 m	7,5 ft	2,40 m	7,90 ft
Door Opening Width			Door Opening Height		
2,29 m		7,5 ft	2,57 m		8,4 ft
Tare Weight		Max Gross		Volume	
4,880 kg	9,880 lb	29,520 kg	65,080 lb	67,3 m <sup>3</sup>	2,380 cu ft

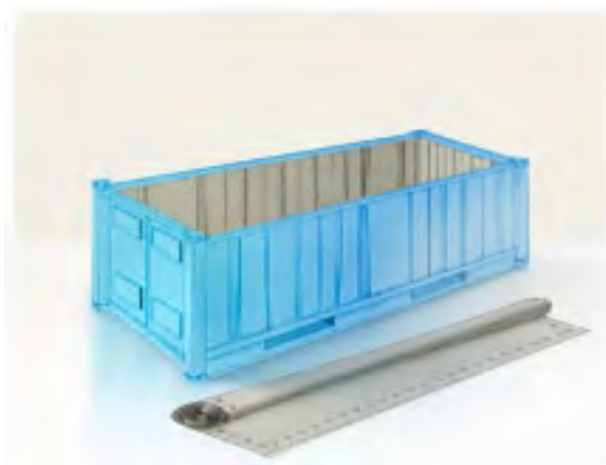
## STANDARD OPEN TOP CONTAINERS

Open top containers have an open top covered by tarpaulin instead of a solid roof. This enables oversized cargo such as timber and scrap metal to be loaded from the top. Open containers normally have end doors to give flexibility to loading and discharging operations.

### Open Top Container Specifications

Specific dimensions and capacity of open top containers may vary depending on the container manufacturer, the age of the container and the container carrier. The specifications listed are, however, representative.

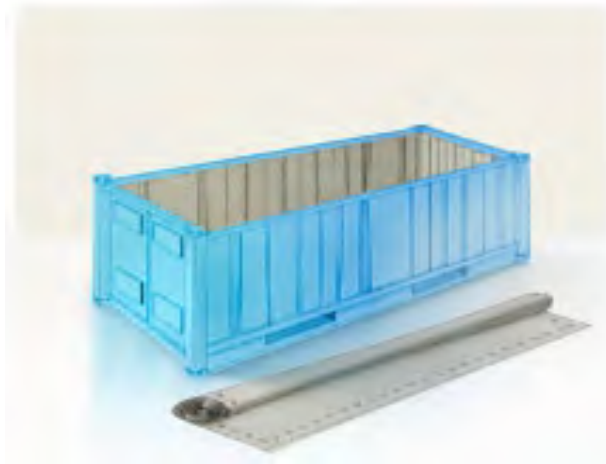
#### 20'ft Standard Open Top Container



Interior Length		Interior Width		Interior Height	
5,9 m	19,30 ft	2,35 m	7,7 ft	2,38 m	7,8 ft
Door Opening Width			Door Opening Height		
2,34 m		7,7 ft	2,28 m		7,4 ft
Roof Opening Width			Roof Opening Height		
2,23 m		7,3 ft	5,44 m		17,8 ft
Tare Weight		Max Gross		Volume	
2,350 kg	5,181.8 lb	29,130 kg	62,026.7 lb	32,5 m <sup>3</sup>	1,147.3 cu ft



## 40'ft Standard Open Top Container



Interior Length		Interior Width		Interior Height	
12,03 m	39,50 ft	2,35 m	7,7 ft	2,38 m	7,8 ft
Door Opening Width			Door Opening Height		
2,29 m		7,5 ft	2,34 m		7,7 ft
Roof Opening Width			Roof Opening Height		
2,21 m		7,3 ft	11,57 m		38 ft
Tare Weight		Max Gross		Volume	
3,850 kg	8,489.3 lb	26,630 kg	58,719.2 lb	66,4 m <sup>3</sup>	2,343.9 cu ft

## FLATRACK CONTAINERS

Flat rack containers are specially suitable for heavy loads and cargo that needs loading from the top or sides, such as pipes and machinery. You will find collapsible containers and non-collapsible containers with or without walls. Flat rack containers are manufactured from aluminium or steel and come in 20' and 40' sizes.

### Flat Rack Container Specifications

Specific dimensions and capacity of flat rack containers may vary depending on the container manufacturer, the age of the container and the container carrier. The specifications listed are, however, representative.

## 20'ft Flatrack Container



Interior Length		Interior Width		Interior Height	
5,94 m	19,5 ft	2,35 m	7,7 ft	2,35 m	7,7 ft
Tare Weight		Max Gross		Volume	
2,360 kg	5,203.8 lb	30,140 kg	66,458.7 lb	32,7 m <sup>3</sup>	1,154.3 cu ft

## 40'ft Flatrack Container



Interior Length		Interior Width		Interior Height	
12,13 m	39,8 ft	2,40 m	7,9 ft	2,14 m	7 ft
Tare Weight		Max Gross		Volume	
5,000 kg	11,025 lb	40,000 kg	88,200 lb	62,2 m <sup>3</sup>	2,195.7 cu ft

# PLATFORM CONTAINERS

Platform containers are without sides, ends and roof. They are used for odd-sized cargo which does not fit on or in any other type of container.

## Platform Container Specifications

Specific dimensions and capacity of platform containers may vary depending on the container manufacturer, the age of the container and the container carrier. The specifications listed are, however, representative.

### 20'ft Platform Container



Interior Length		Interior Width	
6,06 m	19,9 ft	2,44 m	8'ft
Tare Weight		Payload Capacity	
2,740 kg	6,041.7 lb	31,260 kg	68,928.3 lb

## 40'ft Platform Container



Interior Length		Interior Width	
12, 19 m	40'ft	2, 44 m	8'ft
Tare Weight		Payload Capacity	
5,700 kg	12,568.5 lb	39,300 kg	86,656.5 lb

## BULK CONTAINERS

Bulk (or bulk cargo) containers are specially suitable for , such as grain, feedstuffs, spices. Bulk containers have three loading hatches in the roof, each of a diameter of approx. 455mm. The distance between the hatches (centre to centre) is 1.83m (6'). On the door side, there are two discharge hatches, which are sometimes equipped with short discharge tubes for guiding the bulk cargo. Alternatively, two unloading hatches may be mounted in the doorways, for emptying the containers.

Such containers may also be used for general cargo. Lashing rings are mounted in the top side rails for securing the cargo. Some bulk containers are equipped with forklift pockets, which allow handling by forklift trucks.

## Bulk Container Specifications

Specific dimensions and capacity of bulk containers may vary depending on the container manufacturer, the age of the container and the container carrier. The specifications listed are, however, representative.

## Bulk Containers



## TANK CONTAINERS

Tank containers must be filled to not less than 80% of their capacity to avoid dangerous surging of the liquids in transit. On the other hand, they must not as a rule be over 95% full, or there will not be sufficient ullage space for thermal expansion. The extent of thermal expansion may be calculated for each cargo.

Certain dangerous products must be carried in tanks having no openings below the surface level of the liquid. Such tanks must be discharged through a syphon pipe by either pressure or pumping. National road/rail weight limitations have to be maintained when arranging land transport.

Tank containers intended for transporting foodstuffs must be labeled "Potable Liquids only". Some hazardous material must be transported in tank containers with no in- or outlet openings below the surface of the liquid. Tank containers are generally designed for an operating pressure of up to 3 bar (above atmospheric). The test pressure used is 4.5 bar (above atmospheric).



If the cargo requires temperature-controlled transport, tank containers can be equipped with insulation or heating. The temperature of the cargo may be precisely controlled using temperature sensors.

Separate tank containers are used for liquid cargoes, such as:

- Foodstuffs: fruit juices, spirits, edible oils, food additives.
- Chemicals: hazardous materials, such as fuels, flammables, oxidising agents, toxic substances, corrosives.

## Tank Container Specifications

Specific dimensions and capacity of tank containers may vary depending on the container manufacturer, the age of the container and the container carrier. The specifications listed are, however, representative.

## Tank Containers



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