

CONTAINER SPECIFICATIONS

Specifications Chart

Size/Type	Exterior			Internal			Door Openings		Weight
	Length	Width	Height	Length	Width	Height	Length	Width	Tare
20' Dry Van	19' 10"	8'	8' 6"	19' 2"	7' 6"	7' 8"	7' 6"	7' 4"	4,850
40' Dry Van	40'	8'	8' 6"	39' 1"	7' 6"	7' 8"	7' 6"	7' 4"	8,157
40' High Cube	40'	8'	9' 6"	39' 1"	7' 6"	8' 7"	7' 6"	8' 4"	8,377
45' High Cube	45'	8'	9' 6"	44' 6"	7' 6"	8' 10"	7' 6"	8' 4"	10,582
20' Refrigerated	19' 10"	8'	8' 6"	17' 10"	7' 6"	7' 5"	7' 5"	7' 4"	6,459
40' Refrigerated	40'	8'	8' 6"	37' 11"	7' 6"	7' 3"	7' 5"	7' 4"	8,598
40' HC Refrigerated	40'	8'	9' 6"	37' 11"	7' 5"	8' 4"	7' 5"	8' 6"	9,920

MEASUREMENTS MAY VARY SLIGHTLY W / SHIPPER

Specifications	8X8'6" Standard	8X8'6" Standard	8X9'6" Hi-Cube
Inside Cubic Capacity	32.8 cu.m (1,158 cu.ft.)	67.2 cu.m (2,372 cu. ft.)	75.9 cu.m (2,679 cu. ft.)
Cargo Capacity	21,640 kg (47,716 lbs.)	26,500 kg (58,433 lbs.)	26,330 kg (58,058 lbs.)
Tare Weight	2,360 kg (5,204 lbs.)	3,980 kg (8,776 lbs.)	4,150 kg (9,150 lbs.)
Internal Measurements			
Length	5.90 m (19.35 ft.)	12.01 m (39.39 ft.)	12.01 m (39.39 ft.)
Width	2.35 m (7.71 ft.)	2.35 m (7.71 ft.)	2.35 m (7.71 ft.)
Height	2.38 m (7+.80 ft.)	2.38 m (7.80 ft.)	2.69 m (8.82 ft.)
Door Size			
Height	2.28 m (7.48 ft.)	2.28 m (7.48 ft.)	2.58 m (8.46 ft.)
Width	2.33 m (7.64 ft.)	2.33 m (7.64 ft.)	2.35m (7.71 ft.)

Marking and Identification of Containers

The rating, tare mass and payload of a container is marked on its wall, usually on the end (rear) door in the case of an end-loading dry cargo container.

Each container has an identification code or container number---a combination of the 4-letter characters that identify the owner (the operator of container) and the 7-numeric characters that identify the container. The container number can be found on the outer and inner side walls. *Shipping and Storage companies use the 7-numeric characters to track / identify the container.*

The container number is entered on the bill of lading to facilitate the identification and tracking of the container and the cargo.

Rating, Tare Mass and Payload of Container

Rating

Rating is the maximum gross mass (or weight), that is, the maximum permissible weight of a container plus its contents. The rating of a 20' dry cargo container is 24,000 kgs. (52,900 lbs.), and a 40', including the high cube container, is 30,480 kgs. (67,200 lbs.).

Tare Mass

Tare Mass---tare weight or tare---is the mass (or weight) of empty container, including all fittings and appliances used in a particular type of container in its normal operating condition.

The tare mass of containers may vary due to the different construction techniques and materials used in the container. A 20' x 8.5' dry cargo container may weigh 1,800 kgs. to 2,400 kgs., a 40' x 8.5' may weigh 2,800 kgs. to 4,000 kgs, and a 40' x 9.5' may weigh 3,900 kgs. to 4,200 kgs. Some dry cargo containers may fall outside the indicated weight range. The reefer weighs more than a dry cargo container of the same size.

Payload

Payload is the maximum permitted mass (or weight) of payload, including the dunnage and cargo securement arrangements that are not associated with the container in its normal operating condition. Therefore $\text{Payload} = \text{Rating} - \text{Tare Mass}$.

If the tare mass of a 20' dry cargo container is 2,400 kgs. and a 40' is 3,900 kgs. the payload of 20' is 21,600 kgs. (i.e. 24,000 kgs. minus 2,400 kgs.) and 40' is 26,580 kgs. (i.e. 30,480 kgs. minus 3,900 kgs.). However, the exporter may be prohibited to have that much payload in areas where there are legal limitations to the overall load of a vehicle.

In exporting, it is common to encounter a payload of 17,500 kgs. or less in the 20' container, and 24,000 kgs. or less in the 40' container.

In order for Cargo Spectrum to provide the best possible equipment selection and service, please call us at 1-888-273-5575 or 604-273-5575, send us a fax at 604-273-5575, or email us at info@cargospectrum.com.