Guidelines for Obtaining a Freight Rate

1. Select any origin and destination
2. Select mode of transportation
3. Select commodity
4. Enter weight and measure
5. Select service type

To view container specifications and conversion tables click on the link:

[**Weight, Volume, and Linear Measure conversion tables**](http://54.152.133.124/show_conversion_tables)

***Intermodal Transportation****.*

This is a combination of modes transportation and types of services needed to complete an origin-destination freight-rate-calculation.

**Find below the international methodology for calculating freight rates for different modes of transportation.**

**The IATA / Airline Cubic Allowance Factor for Air Freight Shipments:**

**Rate calculation has an allowance of 6,000 Cubic Centimeters per 1 Kilo.**  The illustration below shows how to calculate the dimensional chargeable weight as follows:

|  |
| --- |
| Air (IATA) shipment weight measured in kilos |
| **(6,000 cm³)= 1 Kilo** |  |
| **45 x 30 x 65=87,750 cm³/6,000 = *14.625 MMK*** **MMK= Measured Metric Kilos** |



**Standard Road Haulage Allowance Factor for Road Freight** (**RHA)**

**Rate calculation has an allowance of 3 Cubic Meters per 1,000 Kilos**. This illustration below shows you how to calculate the Volumetric Chargeable Weight as follows:

|  |
| --- |
| (RHA-Road Haulage Allowance). (DITTO) for Rail  |
|  **3 Cubic Meters per 1 Metric Ton-- Equivalent**  |
| **TO (3,000,000 cm³= 1 Metric Ton)** |
| **100 X 120 X 150= 1,800,000 cm³/3,000,000= *0.6 MMT*** |
| **MMT= Measured Metric Tons** |

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**Standard Maritime Allowance Factor for Ocean LCL Group Freight**

**Rate calculation has an allowance of 1 Cubic Meter per 1,000 Kilos**. This illustration below shows you how to calculate the Volumetric Chargeable Weight as follows: (**Based on the IMC standard)**

|  |
| --- |
| Ocean shipment weight measured in Metric Tons  |
| **( 1,000,000 cm³= 1 Metric Ton)** |
| **100 X 120 X 150=1,800,000 cm³/1,000,000= *1.8 MMT*** **MMT= Measured Metric Tons** |

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**ISO-Modular Carton (IMC) program is a corrugated box footprint strategy designed to "module" standard ISO-Sea Containers. This strategy is required to maximize freight and quality while eliminating non-value added handling and crating.**

**OCEAN CONTAINERS ISO 668:2013 Series 1 freight containers—Classification, dimensions and ratings**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **20′ container** | **40′ container** | **40′ high-cube container** | **45′ high-cube container** |
| [**metric**](https://en.wikipedia.org/wiki/Metric_system) | **metric** | **metric** | **metric** |
| **internal volume** | **33.1 m³** | **67.5 m³** | **75.3 m³** | **86.1 m³** |
| **empty weight** | **2,200 kg** | **3,800 kg** | **3,900 kg** | **4,800 kg** |
| **net load** | **28,200 kg** | **26,600 kg** | **26,580 kg** | **25,600 kg** |