

The APL Equipment Fleet

Refrigerated Containers



Refrigerated containers are used to transport cargo that requires protection from heat or cold, temperature control or ventilation. A wide variety of the commodities can be shipped in refrigerated containers, including fresh fruits and vegetables, fresh and frozen meats, poultry and seafood juices, dairy products and eggs, frozen prepared foods, fresh juices and concentrates, confectionery products, live plants and flowers, chemical and biological products.

APL's fleet of reefer containers are amongst the most advanced in the industry – all to ensure that your cargo arrives at its destination in optimum condition.

While APL has been a pioneer in the research and development of reefer containers since its advent,

typically fruits from fruit flies infested areas. They include lychee, longan, starfruit, grapes, kiwi fruit, apple and pear.

APL also has some of the most technologically advanced reefer containers in the industry that are equipped with modified atmosphere technology and controlled atmosphere technology.

Modified atmosphere technology purges most gases out of a container before a new mixture of gases – at the optimum levels and amounts for the commodity being shipped – is injected into the container after it has been sealed. It is effective in slowing respiration and retarding the production of ethylene in horticultural commodities, thus lengthening the shelf life of these commodities.



it still maintains one of the youngest and most technologically advanced reefer fleets in the industry.

Almost all APL reefers are equipped with dehumidification systems, where relative humidity can be set between 65% and 95% and can be controlled according to cargo requirements.

In addition, most of our reefers are equipped with **Cold Treatment** capability, which preserves your fruits better and eliminates the need for fumigation and the use of certain insecticides. APL has been known to successfully complete certain landmark shipments with this capability.

Commodities shipped using Cold Treatment are

Controlled atmosphere technology uses computer systems to monitor and control the atmosphere in the container and make adjustments during the trip. These systems also record changes in the atmospheric composition during a container's journey and provide printouts for quality-control purposes.

Commodities commonly shipped in containers using modified atmosphere technology and controlled atmosphere technology include stone fruit, avocado, cherry, asparagus and brussels sprouts.

All APL refrigerated containers are approved by ATO (Agrotechnology & Food Innovations B.V.).



Refrigerated Containers

20' Muffler Grade Stainless Steel Reefer

Description	Metric	U.S.
Cubic Capacity	28.300 cubic meters	999 cubic feet
Payload (Weight)	27,450 kg	60,517 lb
Tare Weight	3,030 kg	6,680 lb
Max Gross Weight	30,480 kg	67,197 lb

40' High Cube Muffler Grade Stainless Steel Reefer

Description	Metric	U.S.
Cubic Capacity	67.700 cubic meters	2,391 cubic feet
Payload (Weight)	29,190 kg	64,353 lb
Tare Weight	4,810 kg	10,604 lb
Max Gross Weight	34,000 kg	74,957 lb



Dimensions		
Description	Metric	U.S.
Internal Length	5.446 m	17'10"
Internal Width	2.294 m	7'6"
Internal Height	2.263 m	7'5"
External Length	6.058 m	19'11"
External Width	2.438 m	8'0"
External Height	2.591 m	8'6"
Door Opening Width	2.290 m	7'6"
Door Opening Height	2.260 m	7'5"
Cooling Unit	8,820 kcal/h at 35F	
Controlled Atmosphere	Yes	
Modified Atmosphere	Yes	
Dehumidification	Yes	

Dimensions		
Description	Metric	U.S.
Internal Length	11.583 m	38'0"
Internal Width	2.294 m	7'6"
Internal Height	2.548 m	8'4"
External Length	12.192 m	40'0"
External Width	2.438 m	8'0"
External Height	2.896 m	9'6"
Door Opening Width	2.290 m	7'6"
Door Opening Height	2.572 m	8'5"
Cooling Unit	8,820 kcal/h at 35F	
Controlled Atmosphere	Yes	
Modified Atmosphere	Yes	
Dehumidification	Yes	

APL's **muffler grade stainless steel reefer containers** provide high cubic capacity and high resistance to damage and contamination.

20' reefer containers are suitable for high density, heavyweight cargo and are equipped with forklift pockets* for handling of empty containers by forklift trucks.

40' reefer containers are equipped with the gooseneck tunnel* to center the container on the gooseneck chassis for more secured land transportation. They are especially suitable for voluminous lightweight cargo.

*Please refer to Features of APL Containers on pages 06 and 07.

Please note that in certain exceptional cases, the containers operated by APL may have specifications that differ from the descriptions above. Also, cargo in container must conform to the dimensional regulations and laws stipulated by the host country, thus payload capacity may be affected. For more information or assistance, please contact your local APL customer service representative. For more detailed information on APL's reefer capabilities, "The APL Reefer Guide - Fresh Connections" is available upon request.



40' High Cube Aluminum Reefer

Description	Metric	U.S.
Cubic Capacity	67,500 cubic meters	2,384 cubic feet
Payload (Weight)	28,760 kg	63,405 lb
Tare Weight	4,260 kg	9,392 lb
Max Gross Weight	33,020 kg	72,797 lb



Dimensions		
Description	Metric	U.S.
Internal Length	11.583 m	38'0"
Internal Width	2.294 m	7'6"
Internal Height	2.548 m	8'4"
External Length	12.192 m	40'0"
External Width	2.438 m	8'0"
External Height	2.896 m	9'6"
Door Opening Width	2.290 m	7'6"
Door Opening Height	2.500 m	8'3"
Cooling Unit	8,820 kcal/h at 35F	
Controlled Atmosphere	Yes	
Modified Atmosphere	Yes	
Dehumidification	Yes	

APL's **aluminium reefer containers** provide high payload for customers. These 40' refrigerated containers are equipped with the gooseneck tunnel* to center the container on the gooseneck chassis for more secured land transportation. They are especially suitable for voluminous lightweight cargo.

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