



USMC 8'x8'x10' ISO Refrigerated Container System



The 8'x8'x10' Refrigerated ISO Container is a new improved system with increased storage that uses a commercially available, environmentally 4500 BTU refrigeration unit for transport and storage of perishable food items, and temperature sensitive products.

Why It Is Needed:

Reliance on dependable, transportable, energy efficient refrigerators has increased as a result of the increased emphasis on providing warfighters with cook-prepared, fresh meals and with the planned fielding of new kitchen systems to prepare these meals (i.e. the USMC Rapid Deployment Kitchen). The newly developed 8'x8'x10' refrigerated ISO container will replace the Marine's inefficient, antiquated and unserviceable 10-foot ISO Refrigerated Containers currently in service. The 8'x8'x10' ISO Refrigerated Container System is constructed of thermally efficient components, provides more internal storage space and maintains the strength and inter-modal transportability requirements of ISO containers. The USMC has fielded over 500-4500 BTU refrigeration units which interface with these new 8'x8'x10' ISO Refrigerated Containers.

How It Works:

The 8'x8'x10' ISO Refrigerated Container System, uses a 4500 BTU refrigeration unit, has four-way forklift pockets, and ISO corner fittings allowing for external helicopter lift and for efficient handling on the ground, rail and ship. The system will provide a minimum of 150 square feet of shelving space, a minimum of 330 cubic feet of usable space, and carry a payload of 10,000 pounds.

Benefits:

Fresh Food... offers cook-prepared, fresh meals, (A-Rations), to warfighters in the field.

Reduced Logistic Support... commercially available refrigeration technology, energy requirements significantly reduced, military/ commercially maintained, user repairable parts.

Versatile... used for refrigerated and frozen perishables as well as medical affairs missions.

Point of Contact:

DoD Combat Feeding
Phone: COMM (508) 233-4401
E-Mail: amssb-rcf@natick.army.mil



**NATICK
SOLDIER
CENTER**

Kansas St.
Natick, MA
01760
nsc.natick.army.mil