USMC 8×8×10 ISO Refrigerated Container System

The 8'×8'×10' 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'×8'×10' refrigerated ISO container will replace the Marine's inefficient, antiquated and unserviceable 10-foot ISO Refrigerated Containers currently in service. The 8'×8'×10' 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'×8'×10' ISO Refrigerated Containers.

How It Works:

The 8'×8'×10' 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.

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rev 10-10-03