



A global leader in the design and manufacture of specialized transport refrigeration equipment. Klinge Corporation offers customers vital options when standard products cannot fulfill their needs.

Tradition

Klinge Corporation was founded in 1984 as a spin-off of the Transport Refrigeration Equipment department of York International. Klinge has maintained and built on the high standards set by York International while constantly expanding our range of products.

Experience

Both our Management and Engineering departments are characterized by an average of more than 15 years of experience in the field of transport refrigeration. Klinge's customers include the United States Armed Forces and Australian Defence Force (among other militaries around the world) and leading companies such as DuPont, Raytheon, and Arkema.

Research and Development

One of the attributes that distinguishes Klinge is the fact that we focus on design challenges, whereas many of our colleagues concentrate on larger scale production of more standard transport refrigeration equipment. We at Klinge pride ourselves in our proven and consistent ability to tailor products to provide our customers with the optimal solutions for their needs. Klinge's heavy focus on research, design, and engineering has cultivated innovative new concepts in the area of specialty transport refrigeration.

Reliability

High performance and reliability are synonymous with Klinge's line of transport refrigeration and shelter equipment. The combination of our experience, research and testing has led to the development of products that are sophisticated in design yet easy to operate and maintain.

Quality

Commitment to quality is the cornerstone upon which Klinge has built its reputation. Quality in our design and production processes ensures that all our products are extremely durable and easy to use and service. Klinge's Quality Management System is certified to ISO 9001, further reinforcing its core values.

Service

Even the best machines require maintenance and service at some point in time. We stock parts for current and past models of York, Klinge, Carrier, and several other brands of transport refrigeration equipment and generator sets. In addition, we have set up a worldwide network of contractors to provide service and parts.

Consulting and Contract Work

Klinge offers several other services to accommodate the wide range of our customers' activities, such as expert consulting in the field of "cold chain". Additionally, we develop and design products under contract to various customers.

Other products include:

Hazardous Goods Transport Systems, Pre-chilling Containers, Military Shelter Systems, Mobile Blast Freezers



KLINGE CORPORATION KLINGE CORPORATION

4075 East Market St. • York • PA 17402 USA



18 Upsalagade • DK-2100 Copenhagen • Denmark

Telephone: 717 840-4500 • Fax: 717 840-4501

Telephone: +45 3538 1771 • Fax: +45 3526 2221

www.klingecorp.com • e-mail: info@klingecorp.com

Refrigerated Container Systems and Shelters for Military Applications

Rugged · Reliable · Ready

MILITARY SHELTER SYSTEMS

Klinge offers ISO Shelter and Expandable Shelter Systems that are designed and qualified to International Military specifications such as US Mil Standard and NATO 6516/SHCPE Standards. The shelter systems provide a qualified shelter capable of rapid deployment and transport by road, rail, sea, and air. Applications for these systems include deployable headquarters, tactical ground stations, mobile workshops and hospitals, and command posts.



ISO Shelter System

- » Meets performance and dimensional requirements of ISO 668-1995 and 1161-1990
- » Proven operational environment from -46 deg.C to +55 deg.C
- » ISO Standard 20' x 8' x 8' dimensions
- » Options: High RFI and EMP attenuation performance, onboard integrated power generation of up to 25kW, CSC certification

Expandable Shelter System

- » 3 in 1 Expandable Shelter
- » Deployment time in less than 10 minutes
- » ISO Standard 20' x 8' x 8' dimensions when stowed
- » Self supporting expandable sides and side expansion by vehicle powered electric drive
- » Meets performance and dimensional requirements of ISO 668-1995 and 1161-1990 when stowed
- » Proven operational environment from -46 deg.C to +55 deg.C
- » Options: Inbuilt DROPS/PLS capability, 2 in 1 expansion, High RFI and EMP attenuation performance, onboard integrated power generation of up to 25kW, CSC certification



CLIP-ON GENERATOR SETS



Designed to meet the rigorous demands of over the road and rail transport of refrigerated containers.

- » Attaches to all ISO containers
- » All service components accessible with unit mounted
- » Outfitted with fuel tanks up to 150 gallons
- » No interference with reefer unit's airflow and controls
- » Fault protection system

BOX CONTAINER SYSTEMS

Klinge's 20FT and 10FT ISO Container Systems were designed and qualified to a multitude of MIL-STD tests (including Vibration, Cooling, and Electromagnetic Compatibility and Interference Tests). Both systems are capable of being powered by an external source and are also available with easily demountable self-powered gensets. The systems were purchased by the Australian Defense Force, Bangladeshi Military, and Hungarian Military.



20 FT Container System (NMR-171A & NMG-112)

- » Multi-temperature refrigeration with separate refrigerator and freezer sections
- » Microprocessor control with automatic pre-trip and diagnostics
- » Moveable bulkhead can be stowed in either direction and offers lashing points in 5 cm increments
- » Alarm system
- » Optional Shelving



10 FT Container System (NMR-071 & NMG-012)

- » Single temperature refrigeration, which allows the inside of the container to act as either a fridge or freezer
- » Generator set (on 20 or 10FT) can power two 10FT Container refrigeration units in emergency or during maintenance
- » Microprocessor control with automatic pre-trip and diagnostics
- » Alarm system
- » Heavy-duty, removable, full bumper shelving system

FOOD STORAGE BINS

- » Holds 770 Liters
- » Available fully collapsible
- » Foldable (3 folded PFLUs take up the space of 1)
- » Sturdy design (can be stacked 6 high fully loaded)



- » Lightweight
- » Large forklift pockets

• Klinge's Certified Project Management Team can provide direct service for contract administration. The Team is responsible for ensuring all items under contract meet the technical, quality, cost, and time requirements. Additionally, the PM Team ensures that a support system complete with operator handbooks, maintenance manuals, training, and spare parts provision, is in place for use once the equipment is delivered to the customer.

• Klinge's Quality Management System is certified to ISO 9001.