

Dual Refrigerated Container & Integral Genset

- » Two full capacity reefer units offer total redundancy—each reefer has their own thermostat and control circuit
- » Complies with international regulations for the transport of dangerous goods
- » Integral genset powers reefer units when shore power is not available

Klinge's Dual Refrigerated Container has two full capacity reefer units. The refrigeration system, Model NMR-262, automatically switches to its back-up in an emergency to provide the ultimate peace of mind when shipping hazardous cargo or valuable cargo. The system complies with the [International Maritime Organization's regulations](#) for transporting certain [Dangerous Goods](#).

The Dual Refrigerated Container is available with a diesel generator set, Model NMG-115, to ensure complete and independent protection of the cargo. The self-powered generator set powers the refrigeration units in case of loss of external power supply or during transport on a truck.

Klinge's line of Dual Refrigerated Containers are used to transport hazardous chemicals, resins, adhesives, pharmaceuticals, ammunition and other goods requiring extra protection. Klinge has been providing this model to major chemical and pharmaceutical companies around the world for nearly 30 years. [Contact a Klinge Group Specialist Today!](#)

PHOTOS OF THE DUAL REFRIGERATED CONTAINER & INTEGRAL GENSET (MODEL NMR-262 & NMG-115)

ADDITIONAL FEATURES OF THE DUAL REFRIGERATED CONTAINER & INTEGRAL GENSET (MODEL NMR-262 & NMG-115)

- » Total Protection—Two complete and separate refrigeration systems, each with their own thermostat and control circuit. Each system communicates with the other, activating the back-up in case of failure! CE-marked for use in Europe and throughout the world.
- » Built-in High temperature alarm & available independent "High-High" temperature alarm.
- » Added Security Measures: The control panel is PIN-enabled, while the control box is Padlock enabled and access is prevented without the necessary tools.
- » Updated display technology allowing additional parameters (pressure, Hz, etc) to be viewed directly at the unit.



Dual Refrigerated Container (Two complete and separate refrigeration systems) with Integral Generator Set

Built-in current monitoring for increased capacity, performance, and failure detection.

- » New, high-efficiency evaporator and condenser coils with additional pressure-regulation allow the unit to run optimally at all temperatures.
- » Durable plastic evaporator/condenser fan blades reduce noise and increase performance.
- » Programmed to switch between primary and back-up unit to equalize run-time.
- » Cargo area includes Zone 1-rated evaporator motors (T4) for increased safety as well an option for increased heating capacity.
- » Components in the evaporator section are explosion protected in accordance with the EX G3 norm (UL Class 1 Group D).
- » All components, except evaporator coil, are serviceable from the front of the unit.
- » Easy access to all components in electric box door (also fitted with “lift-off” or “slip” hinges)

SPECIFICATION FOR THE DUAL REEFER SYSTEM (MODEL NMR-262)

- » Dimensions: W 2108 mm, D 546 mm from back of flange, 650 mm overall, H 1262 mm
- » Weight: 654 kg
- » Designed to operate on: 460 Volt A/C +/- 10% 3 Phase 60Hz +/- 2.5%, 380 Volt A/C +/- 10% 3 Phase 50Hz +/- 2.5%



Dual Refrigerated Container (two full capacity reefers) with Integral Generator Set

Compressors (qty 2): Copeland / Bitzer using R404A Refrigerant

» Net cooling capacity at 37.8°C ambient temperature at 60 Hz power

Return Air Temperature:

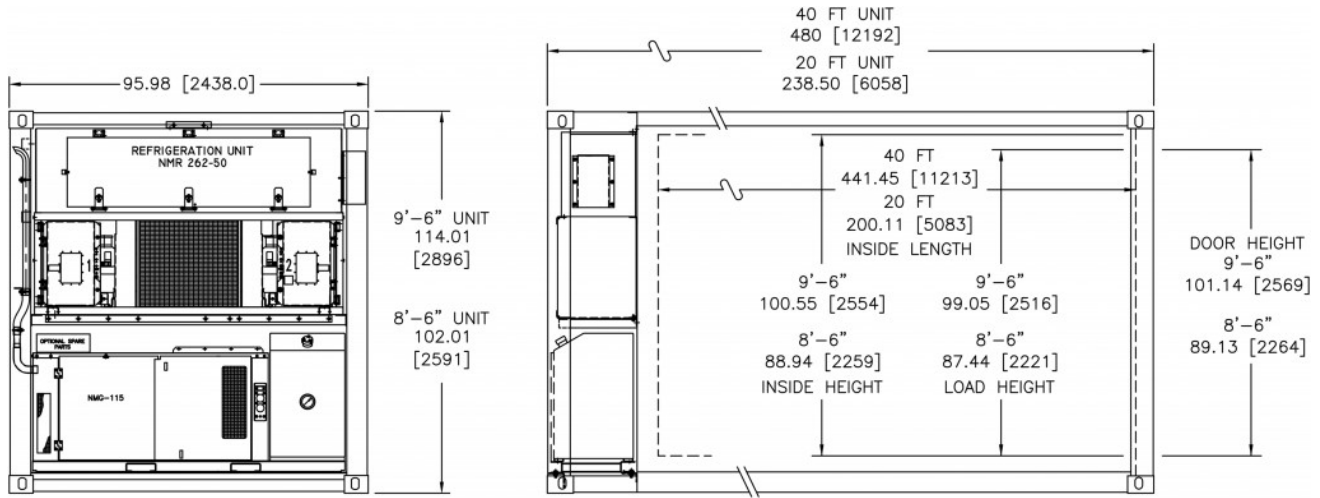
Net Capacity (1 of 2 Systems):

-17.8°C

4890 Kcal/h / 19,500 BTU/hr

OPTIONS:

- » Remote monitoring of the equipment via direct cable link to the control box.
- » **Satellite communication system** for the remote monitoring of the GPS Location, Cargo Temperature, Alarm Indication and AC Power Status.
- » GSM communication system allowing for remote dial-in of service technicians, data transfer, event and temperature monitoring. Alarm notification via text or email also available separately.
- » Additional oil filter increasing capacity to more than 1000 hours between oil changes.
- » Integral spare parts box (for components that may need to be replaced over time and for service manual).
- » Special dual voltage transformer enables refrigeration units to also operate on 220 volt 3 phase power.
- » Other options: lighting, back-up independent alarm system via external datalogger, air curtains, side door, and shelving.



IMDG Compliant Dual Refrigerated Container

SPECIFICATION FOR GENERATOR SET (MODEL NMG-115)

- » Generator set is designed to operate in ambient temperatures from -37°C to 50°C
- » Dimensions: W 2114 mm, D 610 mm, H 937 mm
- » Weight: 762 kg with fuel; 604 kg without fuel
- » Construction: Stainless steel hardware and frame made of seawater-resistant aluminum in order to provide a high degree of corrosion protection
- » Engine: Type - Isuzu Diesel 4-cylinder liquid cooled with glow plug assisted start
- » Generator Set: Type - Marathon Electric LIMA® MAC Type
- » Fuel Tank: 197 l fuel tank for approximately two days (48 hours) of operation under full load