

REEFER D-E

UNIT45

INTERMODAL INNOVATORS



45FT PALLETWIDE DIESEL-ELECTRIC REFRIGERATED CONTAINERS

UNIT45 has recently developed a new diesel-electric reefer container primarily intended for use in multimodal operations where rail is featured. The cost of moving temperature-controlled cargoes over long distances by road is ever rising but rail is rarely an alternative since very few train operators can provide a reliable power supply for all-electric reefer containers.

The diesel-electric power unit used by UNIT45 incorporates a 250-litre diesel tank. This is more than sufficient for longhaul rail operations such as Rotterdam to Italy or Eastern Europe.

To provide its customers with additional revenue generating possibilities, UNIT45 has also

developed two special versions of its diesel-electric reefer container: a double-stack container and a dual-compartment reefer.

The double-stack reefer features a removable intermediate deck that allows 66 euro pallets to be loaded without the need to stack one pallet directly on top of another, a practice that can result in crush damage to cargo on the lower pallet.

Able to transport simultaneously two contrasting commodities such as fish and flowers, the dual-compartment container features a movable wall that can be secured in different positions according to the load split. Special ducting and temperature monitors enable

cold or warm air from the reefer unit to maintain different temperatures in the two compartments.

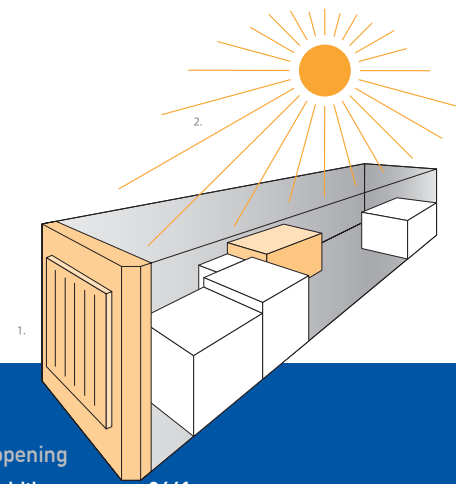
This part-load capability enables the transport operator to carry cargo from two different shippers but most applications are expected to see the transport operator's customers using a single container to carry two or more commodities, e.g. frozen and fresh chicken, at the same time.

This reefer is also available as a triple compartment version.

The reefers feature aluminium flat floors and are equipped with 4 cargo bars.

REEFER UNIT SPECIFICATIONS

1. built-in refrigeration system that saves cargo space
2. energy-saving technology guarantees maximum refrigeration capacity



DIESEL-ELECTRIC REFRIGERATED CONTAINER

external dimensions	internal dimensions	door opening
length: 13716 mm	length: 13275 mm	door width: 2441 mm
width: 2556 mm	width: 2438 mm	door height: 2540 mm
height: 2896 mm	height: 2575 mm	

capacity

83,1 m ³	europallet (1200mm x 800mm)	33
	iso pallet (1200mm x 1000mm)	26

ratings

max. gross weight: 34000 kgs	max. payload: 27005 kgs
tare weight: 6995 kgs (incl. cooling unit and full fuel tank)	capacity fuel tank: 250 ltr

DIESEL-ELECTRIC DOUBLE STACK REFRIGERATED CONTAINER

external dimensions	internal dimensions	door opening
length: 13716 mm	length: 13275 mm	door width: 2441 mm
width: 2556 mm	width: 2438 mm	door height: 2540 mm
height: 2896 mm	height: 2575 mm	

capacity

83,1 m ³	europallet (1200mm x 800mm)	33/66
	iso pallet (1200mm x 1000mm)	26/52

ratings

max. gross weight: 34000 kgs	max. payload: 26750 kgs
tare weight: 7250 kgs (incl. cooling unit, full fuel tank, tracks and loading bars)	capacity fuel tank: 250 ltr

22 moveable loading bars (max. load per bar 1000 kgs)

DUAL COMPARTMENT DIESEL-ELECTRIC REFRIGERATED CONTAINER

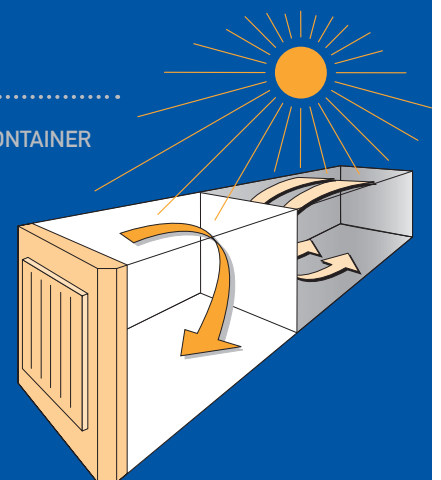
The dual compartment diesel-electric reefer unit is constructed like the diesel-electric reefer unit except:

tare weight: 7240 kgs
(incl. cooling unit, full fuel tank, frigo wall and evaporator)
max. payload: 26760 kgs

TRIPLE COMPARTMENT DIESEL-ELECTRIC REFRIGERATED CONTAINER

The triple compartment diesel-electric reefer unit is constructed like the diesel-electric reefer unit except:

tare weight: 7420 kgs
(incl. cooling unit, full fuel tank, 2 frigo walls and evaporators)
max. payload: 26580 kgs



• OPTIONAL ADVANCED TRACK & TRACE SYSTEM