



ThinLINE® DT

Carrier's exclusive dual-temperature system for container refrigeration.



ThinLINE® DT (Dual-Temperature)

Now you can ship two loads, in one container, at a fraction of the cost.

Specialized needs call for specialized solutions. So container shippers that needed multi-compartment refrigeration came to Carrier Transicold.

The result: The ThinLINE® DT unit. The dual-temperature refrigeration system engineered specifically for container shipping.

Rather than pay full rates for shipping partial loads in a 40-foot box, with the ThinLINE DT unit shippers can now pay significantly less by combining partial loads, at different setpoint temperatures, in a single container.

The ThinLINE DT unit's platform is based on the combination of two proven components: the ThinLINE NT unit's container refrigeration system, the industry standard for performance and reliability.

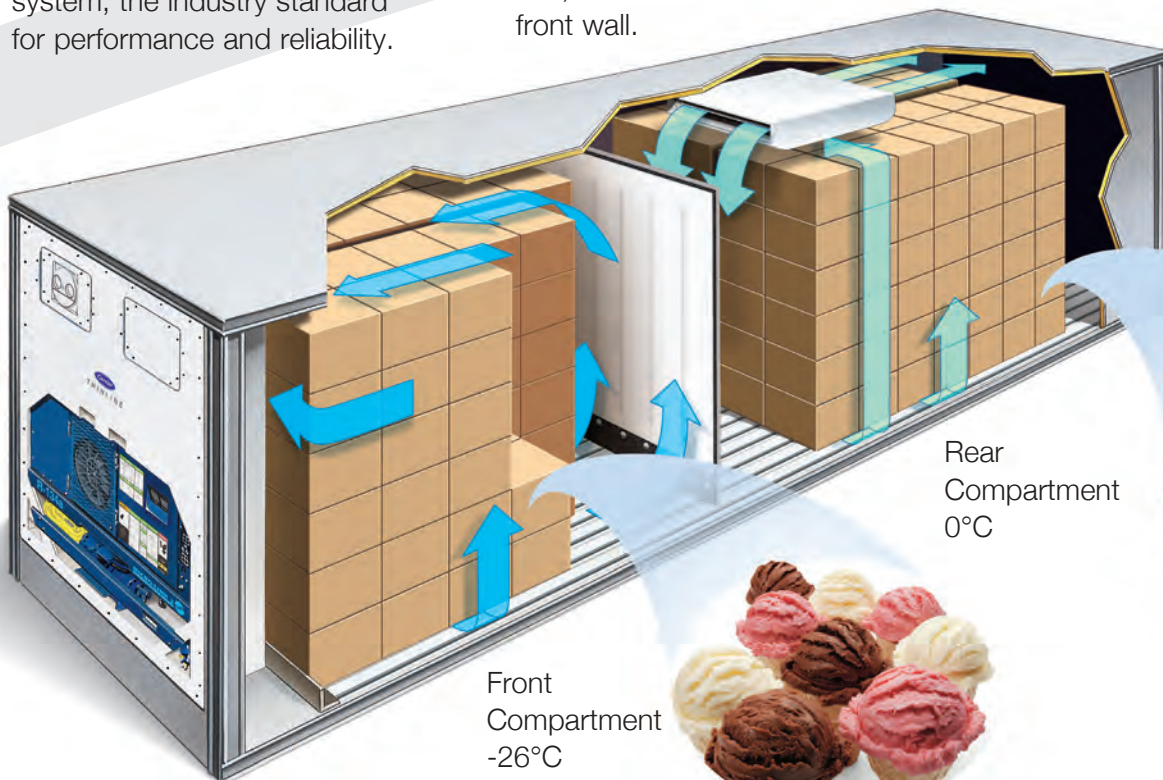
And the remote evaporator, originally developed for multi-temp applications and proven in truck/trailer refrigeration for over 15 years.

A key difference with a dual-temperature system is that a remote evaporator is required to refrigerate the second compartment. The ThinLINE DT unit combines the standard built-in host evaporator for the front compartment with a unique remote evaporator for the rear compartment.

The Carrier dual-discharge remote evaporator mounts on the ceiling of the rear compartment. Refrigerant lines, drain lines, and control wiring connect it to the host ThinLINE unit, mounted in the container front wall.

An insulated movable bulkhead, included as part of the package, creates two compartments within a standard 40-foot container. The front compartment can maintain frozen or perishable setpoints, the rear compartment can maintain perishable setpoints.

Why pay full rates for partial loads? Maximize your investment in container refrigeration with the ThinLINE DT unit from Carrier. The only dual-temperature refrigeration system for the marine container market. Another highly engineered, finely tuned Carrier solution for the ever-advancing container refrigeration industry.



Front
Compartment
-26°C

Rear
Compartment
0°C

Two compartments. One-of-a-kind performance.

The ThinLINE® NT unit, the industry standard for quality and reliability.

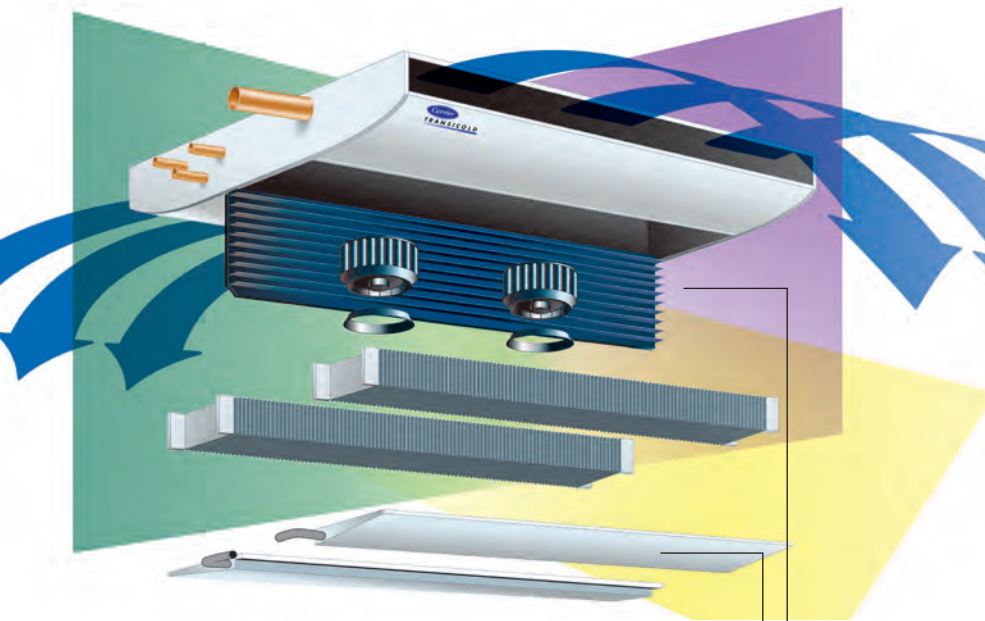
- Industry leader for balanced container system design and performance.
- Unmatched protection for any temperature-sensitive cargo.
- Outstanding field-proven reliability.
- Precise, intelligent electronic control.
- Uninterrupted quality control in extreme environments.

Micro-Link® 3 controller. Advanced temperature control with dual responsibility.

- Precise electronic temperature control for two-compartment applications.
- Large side-by-side digital displays, angled and backlit for easy viewing.
- Remote compartment symbol displayed when viewing remote compartment setpoint and temperature.
- Remarkably easy to operate, diagnose, and service.

Remote evaporator. High performance in the rear compartment.

- Low-profile, dual-discharge design gives you full loading flexibility.
- High airflow for uniform temperature distribution and product protection.
- Transport perishable cargoes to -2°C .
- Consistent cargo temperature control in remote compartments configured to 26 feet.
- Proven in truck and trailer applications for more than 15 years.



Fans

Aluminum
Coil

The ThinLINE DT unit. A proven platform that brings you multi-temperature versatility.

- Provides two temperature zones in 40-foot high-cube containers.
- Front compartment can operate from $+30^{\circ}\text{C}$ to -30°C , frozen and perishable.
- Rear compartment can operate from $+20^{\circ}\text{C}$ to -2°C , perishable only.
- Insulated partition wall can be moved 6 feet in either direction.
- Partial cargoes can be shipped more cost-effectively.
- Can be used as a standard 40-foot HC.
- Available exclusively from Carrier Transicold.
- Backed by the worldwide Carrier Transicold service and parts network.



PERFORMANCE SPECIFICATIONS

ThinLINE® DT



Host System

Cooling Capacities: Ambient @ 38°C (100°F)
with Industry Standard Carrier 06D Reciprocating
Compressor; HFC-134a

Temperature	Watts	Btu/hr
2°C (35°F)	10,250	35,000
-18°C (0°F)	6,010	20,500
-29°C (-20°F)	3,230	11,000



Remote Evaporator (Dual Discharge)

Cooling Capacity: Ambient @ 38°C (100°F)

Temperature	Watts	Btu/hr
0°C (32°F)	4,602	15,700

Dimensions:

H: 167 cm (6.6")
W: 1,049 cm (41.3")
D: 946 cm (37.2")
Weight: 40kg (88lbs)

Specifications are subject to change without notice

Standard Features:

Refrigeration System

- Carrier 06D semihermetic compressor
- Zero-ODP HFC-134a
- Stepper-modulation capacity control
- High-efficiency evaporator and condenser coils
- Electrostatically coated all-copper condenser coil
- Three-phase dual-speed evaporator fan motors and vane-axial fans
- Refrigerant receiver with dual sight glass, Al coated steel for superior corrosion prevention
- ATO (Sprengrer)-accepted adjustable fresh-air exchange

Electrical System

- System wired for 380/460volt-3ph-50/60Hz power
- Safe 24-volt AC control circuit with fuse protection
- Main power circuit breaker
- 18m (60-ft) power cable with attached CEE-17 plug
- Electric heat

Control System

- DataCorder™ electronic data recorder
- Dual back-lit LCD displays
- Time-delay motor start sequence
- Current-limiting feature
- Cool, Heat, Defrost, In-Range, Alarm indicator lights
- Micro-Link® 3 modular controller with dual sensors
- Selectable timed electric defrost (3-, 6-, 9-, 12-, or 24-hour settings) or automatic defrost
- Interrogator plug
- Manual defrost initiation
- Energy-saving Economy Mode
- evaporator motor logic

Convenience Features

- Removable front service panels
- Forklift pockets
- TIR compliant

Provisions

- Water-cooled condenser
- Dual voltage (when applicable)
- Fresh-air vent position sensor

Accessories and Options:

- USDA cold-treatment recording package
- Rechargeable power-up battery pack
- Dehumidification control
- Quick-connect 190/230volt-50/60Hz dual-voltage transformer module
- Optional 230-volt plug (specify)
- Optional 460-volt plug
- Electronic power line communication module (RMU)
- Water-cooled condenser system
- Low-position air-exchange control
- Cable retainer
 - Bungee cord
 - Door with catch
- Remote monitoring receptacle (ISO 4-wire)
- Thermometer insertion ports
 - Supply air
 - Return air
- Suction and Discharge mechanical pressure gauge set
- System temperature sensors
 - Suction
 - Discharge
- Pressure transducers
 - Suction
 - Discharge
- Convenience handles
 - Center
 - Left and right
- Rain gutters (bolted or riveted)
- EverFRESH® controlled atmosphere
- eAutoFresh™ on-demand ventilation
- QUEST power-saving mode
- Fresh-air vent position sensor
- Emergency Bypass System (EBS)
- LED display
- Hinged condenser fan grill
- Low-position air exchange control
- Hinged rear bulkhead panel with quick-release fasteners
- Interrogator plug location inside control box
- Certification: ABS, BV, KRS, GL
- CE marking

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