

The industry standard for quality, reliability, and performance.

ThinLINE

More growers and shippers depend on ThinLINE. To make sure their cargo comes in.



Safe passage under all conditions. That's why so many people depend on Carrier ThinLINE™ container refrigeration systems. Our non-ozonedepleting HFC-134a 06D compressor is the industry standard for reliability and efficiency in container applications. Our Exclusive EverFRESH™ controlled atmosphere option ensures field-ripe flavor on delivery. And our NatureFRESH™ option maintains optimum humidity. Overall, ThinLINE's troublefree operation and dependable performance make it the first choice of more growers, importers, and shippers worldwide. Because they know our quality products don't just bring their cargo in. They bring revenue in.

The field-proven compressor that stops at nothing.

The ThinLINE is equipped with Carrier's 06D semihermetic compressor. Proven reliability has made it the workhorse of the industry. We increased the compressor stroke to move more refrigerant. This gives you the full 70-CMH (41-CFM) capacity you need today to support the most demanding pulldown requirements. Designed to handle the rigors of container refrigeration, the 06D has become the standard throughout the container industry.

- Exclusive canted valves and contoured pistons reduce clearance volume to maximize volumetric efficiency, especially at low box temperatures.
- Vented connecting rods improve bearing lubrication.

- Crankcase pressure-equalizing tube and spinner tube assembly balance crankcase and system pressures to maintain a high oil level in the compressor, even during startup.
- Lube-oil passages on bearing surfaces increase oil circulation to internal bearing and running gear surfaces under all operating conditions.
- Oil pressure regulator maintains constant oil pressure to ensure optimum lubrication of all moving parts.
- Backed by a standard threeyear compressor warranty to protect you from expensive compressor repairs.

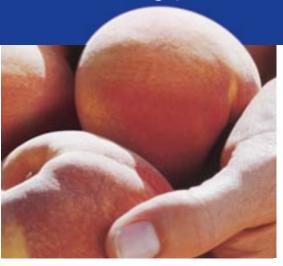


The 06D compressor.Evolutionary technology.
Simple operation.
Complete satisfaction.



ThinLINE

Nothing protects your sensitive cargo like ThinLINE.



Carrier ThinLINE is the industry standard for balanced system design for container refrigeration. It is the recognized leader in container system performance. Our exclusive balanced system design maximizes your investment in reefer equipment and delivers maximum protection for every temperature-sensitive cargo you carry. ThinLINE also delivers outstanding performance and reliability, saving you hundreds of dollars in annual operating cost, per system, versus competitive units. Overall, ThinLINE brings you superior operating efficiency. Precise, intelligent electronic control. Field-proven reliability. And the industry's lowest life-cycle cost. From the world leader in transport refrigeration.

- State-of-the-art electrostatically coated copper fin, tube, and tube sheet condenser coil for superior corrosion protection.
- The reliable workhorse of the industry: Carrier's fieldproven 06D compressor.
- Auto defrost takes the guesswork out of setting defrost intervals while providing up to 40% power savings.
- Non-ozone-depleting HFC-134a refrigerant.

- MicroLink[™] 3 microprocessor controller. Program upgrades and DataCorder™ downloads in seconds with the new DataBank™ PC card. Backward compatibility with MicroLink 2i ensures seamless transition to MicroLink 3.
- Front panels provide quick access to evaporator fan motor, fans, and heaters. Evaporator fan motor, mounted for quick removal of modular fan, fan stator, and motor assembly, if required.
- Stainless steel hardware with protective coating. Mylar barrier between dissimilar metals protects against corrosion.
- Precisely aligned, highefficiency evaporator fan motors and vane-axial fans reduce fan heat and improve cooling capacity.
- Cube-efficient ThinLINE frame with minimal box protrusion.
- Evaporator coil, with copper tubing and aluminum fins, treated for improved condensate drainage.
- Symmetrical bottom-air delivery into T-bar floor for better air distribution.
- Electric defrosting and heating.
 Non-ozone-depleting foam. insulation. Safer for the environment while protecting the cargo.





MicroLink. The user-friendly controller that thinks of everything.

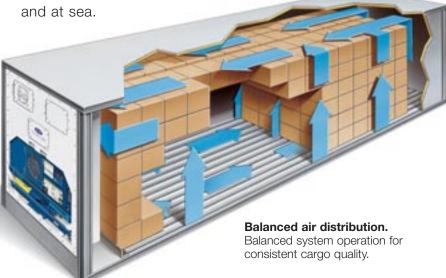
MicroLink 3 provides state-ofthe-art electronic temperature control to meet even the most demanding applications. In a system that's remarkably easy to operate, diagnose, and service.

- Completely modular design and assembly, simple plug-in/ plug-out components.
- Advanced PID logic controls and diagnostics.
- Large side-by-side digital displays, angled and backlit for easy viewing.
- User-friendly ClickSet[™] control panel and dedicated function keys.
- Single software card configures and upgrades MicroLink 3 controller in seconds.
- DataBank card downloads DataCorder memory in seconds without using a laptop or other external device.
- User-selected basic or enhanced 21-minute pretrip routine.
- Highly precise internal probe calibration circuit.
- Selectable operating safeguards include 100% Cool, 50% Cool, Evaporator Fans Only, or Unit Shutdown.
- Advanced two-tiered alarm system.
- "Redundant" recorder and temperature-control probes.



By combining optimum cooling capacity and air distribution, ThinLINE provides exceptional protection across all operating conditions. To deliver uninterrupted quality control in extreme environments, dockside

- Vane-axial evaporator fans use less energy and outperform blowers at common operating static pressures.
- Composite aero-condenser fan reduces power consumption and increases efficiency.
- ThinLINE's Condenser Pressure Control (CPC) energizes the condenser motor only at high operating pressure, reducing power consumption and increasing motor life.
- Airflow is distributed across the full width of the container, eliminating hot spots.
- Symmetrical bottom-air delivery into the T-bar floor improves air distribution.





Optimum capacity and controlled atmosphere protect your cargo front to back.

Control

Fully integrated

control. Enhanced

climate control that

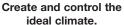
extends natural

freshness.

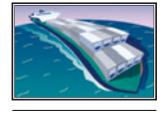
Controlled atmosphere and humidity protect your cargo inside out.

- ThinLINE combines maximum capacity and airflow, with pinpoint temperature control, to ensure uniform protection throughout the load.
- EverFRESH[™] controlled atmosphere option maintains a constant balance of oxygen and carbon dioxide to slow the natural ripening process. EverFRESH allows crops to ripen longer in the field, making them higher in weight,





ThinLINE offers two options to control more than temperature. EverFRESH preserves justpicked freshness inside the box, allowing harvest closer to maturity. NatureFRESH maintains optimum box humidity to keep products at optimal freshness.



The workhorse of the industry.

Field-proven to support the most demanding requirements, the Carrier 06D semihermetic compressor delivers a full 70-CMH (41-CFM) capacity with exceptional reliability. The 06D is the standard by which all others are measured.



Worldwide coverage, expert assistance.

International field support is a major Carrier strength. Our field engineers speak 23 languages. Our 24-hour hotline provides toll-free assistance. And we offer training courses, basic to advanced, at over 70 locations worldwide.



Simple operation, reliable performance.

ThinLINE's non-ozone-depleting HFC-134a 06D compressor is the standard for long-life reliability. Balanced system design ensures maximum product protection and operating efficiency. Design simplicity ensures trouble-free operation.



The preferred choice of growers, importers, and shippers.

Carrier sells, services, and supports more container systems than anyone. Every component, system, and customer receives equal attention. Dependable operation and expert support have made Carrier the first choice for first-class protection.



Carrier brings you The Complete Package.

Advanced equipment, expert assistance, and global support make Carrier the first choice for uninterrupted cargo quality control from field to market. People, products, and protection. Our Complete Package means complete confidence.



control insect infestation, and minimizes product spoilage.

 NatureFRESH™ humidity control maintains natural moisture content and prevents dehydration. With NatureFRESH, products maintain their weight, so cargoes hold more of their market value.

PERFORMANCE SPECIFICATIONS

ThinLINE



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

	Temperature	Watts	Btu/hr
	2°C(35°F)	10,260	35,000
	-18°C(0°F)	6,008	20,500
	-29°C(-20°F)	3,224	11,000

Specifications are subject to change without notice.

Standard Features Include:

Advanced Carrier 06D semihermetic compressor

Enhanced MicroLink™ 3 modular controller with dual probes DataCorder™ electronic data recorder Exclusive dual back-lit LCD displays Time-delay motor start sequence

Zero-ODP HFC-134a

Current-limiting feature Exclusive stepper-modulation capacity control

High-efficiency evaporator and condenser coils

Electrostatically coated all-copper condenser coil

System wired for 380/460volt-3ph-50/60Hz power

Safe 24-volt AC control circuit with fuse protection

Cool, Heat, Defrost, In-Range, Alarm indicator lights

Bottom air discharge

Main power circuit breaker

18m (60-ft) power cable with attached CEE-17 plug

Electric heat

Selectable timed electric defrost (3-, 6-, 9-, 12-, or 24-hour settings) or automatic defrost

Manual defrost initiation

Aluminum rear bulkhead

Removable front service panels Single-phase dual-speed evaporator

fan motors and vane-axial fans ATO (Sprenger)-accepted adjustable

fresh-air exchange

TIR

Energy-saving Condenser Pressure Control

Forklift pockets

Refrigerant receiver with dual sight glass, electrostatically coated copper for superior corrosion prevention

Industry-leading low air leakage: less than 0.14 CMH (5 CFH) at 50.8 mm (2 in.) w.g.

Energy-saving Economy Mode evaporator motor logic

Composite control box

Provisioned for:

Dehumidification control USDA cold treatment

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 Chart recorder options

Electronic Partlow chart recorder Saginomiya 31-day 203mm (8.0in.) chart recorder

Simpson lead for calibration

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, 0-75 CMH (0-44 CFM)

Cable retainer

Bungee cord

Door with catch

Remote monitoring receptacle (ISO 4-wire)

Certification: ABS, BV, KRS, GL Hinged rear bulkhead panel with quick-release fasteners

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

EverFRESH™ controlled atmosphere NatureFRESH™ humidity control system CE marking

Fresh-air vent position sensor Emergency Bypass System (EBS) LED display

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