



StreamLINE



Lightweight, ultrathin refrigeration for 20-foot containers.

StreamLINE

StreamLINE is thinner and lighter for 20-foot containers. Our loss is your gain.



Chambered Nautilus
Nautilus Pompilius

Like the unique shell design of the chambered nautilus, our patented StreamLINE scroll compressor is specially built to meet the extreme demands of container refrigeration at sea.



UltraThin design with scroll compressor. 20% thinner and 15% lighter.

StreamLINE™ from Carrier, specifically built for the specialized needs of today's shippers using 20-foot containers. Its UltraThin™ profile reduces evaporator protrusion by 20% to increase payload. This allows a potential internal volume of 30m³ for maximum payload. Spacesaving UltraThin design also features Carrier's purpose-built scroll compressor. This patented high-strength, lightweight, high-capacity compressor is the first built exclusively for container refrigeration. Lightweight UltraThin design for maximum payload. Innovative scroll-wrap technology. Proven world-class cargo protection. And non-ozone-depleting HFC-134a. StreamLINE is the complete package for today's shippers using 20-foot containers.

Purpose-built scroll compressor. For environmentally responsible container refrigeration.

Rather than modify existing scroll technology from less-demanding air conditioning applications, we built a scroll compressor exclusively for container refrigeration. Our innovative StreamLINE container refrigeration system features Carrier's patented scroll wrap geometry. It is the specially built single-scroll platform that uses non-ozone-depleting HFC-134a. As a result, StreamLINE offers industry-low GWP and TEWI, ensuring the most advanced protection for your sensitive cargoes.



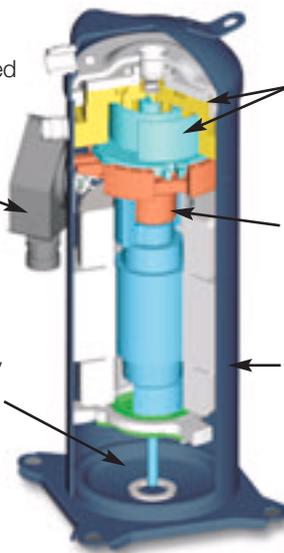
Scroll-wrap tapered inner wall is thicker and more robust.

Exclusive StreamLINE scroll compressor design patented by Carrier.



Molded, sealed electrical junction box for watertight connections.

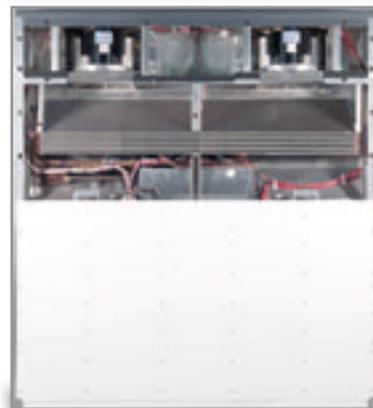
Large-capacity oil sump and sump magnet for superior lubrication.



Scroll wrap optimized for low power draw, strength, and reliability.

Steel-backed carbon bearing specially designed for longer life.

Marine-duty powder paint coating for maximum corrosion protection.



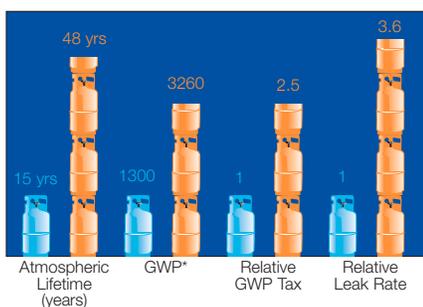
StreamLINE is loaded with features. Front to back.

- State-of-the-art electrostatically coated copper fin, tube, and tube sheet condenser coil for superior corrosion protection.
- Lightweight, corrosion-proof composite condenser fan.
- High capacity from a single HFC-134a scroll compressor. Exclusive design patented by Carrier.
- 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 motor mounted for quick removal of fan and motor assembly, if required.
- Addressed-wire-coding speeds service.
- Stainless steel hardware with protective coating. Mylar barrier between dissimilar metals protects against corrosion.
- High-efficiency evaporator fan motors and fans reduce fan heat and improve cooling capacity.
- Evaporator coil with copper tubing and aluminum fins, treated for improved condensate drainage.

- Symmetrical bottom-air and side-air delivery into T-bar floor for better air distribution.
- Electric defrosting and heating.
- Slant-top return-air grille for higher load line, allowing more cargo.
- Lightweight aluminum frame and rear bulkhead exceed ISO racking and end-loading requirements.
- Peripheral seal reduces heat leakage.
- PVC-insulated spacer extends life, eliminates concern about insect infestation.
- Superior condensate collection system helps keep cargo dry.
- Auto defrost takes the guess-work out of setting defrost intervals while providing up to 40% power savings.

HFC-134a proves that less is more.



*CO₂ = 1 as defined in the Intergovernmental Panel for Climate Change (IPCC)

PERFORMANCE SPECIFICATIONS

StreamLINE



Cooling Capacity: Ambient @ 38°C (100°F) with Purpose-Built RS-105 Scroll Compressor; HFC-134a

Temperature	Watts	Btu/hr
2°C (35°F)	9,230	31,500
-18°C (0°F)	5,070	17,300
-29°C (-20°F)	3,340	11,400

Specifications are subject to change without notice.

Standard Features Include:

Advanced Carrier purpose-built RS-105 scroll compressor
 Zero-ODP HFC-134a
 Enhanced MicroLink™ 3 modular controller with dual probes
 DataCorder™ electronic data recorder
 Energy-saving Economy Mode evaporator motor logic
 Exclusive dual back-lit LCD displays
 Time-delay motor start sequence
 Current-limiting feature
 Pressure-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
 15m (49-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 propeller fans
 ATO (Sprenger)-accepted adjustable fresh-air exchange
 TIR
 Forklift pockets
 Document holder
 Refrigerant receiver with dual sight glass, electrostatically coated copper for superior corrosion prevention
 Low air leakage: less than 0.14 CMH (5 CFH) at 50.8 mm (2 in.) w.g.
 Composite control box
 Suction and discharge temperature sensors
 Suction and discharge pressure transducers
 Provisioned for:
 Dehumidification control
 USDA cold treatment
 Water-cooled condenser
 Remote monitoring

Accessories and Options:

USDA cold-treatment recording package
 Rechargeable power-up battery pack
 Chart recorder options
 Electronic Partlow chart recorder
 Uses 31-day 203mm (8.0 in.) chart
 Auto calibration
 Saginomiya 31-day 203mm (8.0 in.) chart
 Simpson recorder 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
 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
 Convenience handles
 Center
 Left and Right
 Rain gutters
 CE marking
 Emergency Bypass System (EBS)

North and South America
 Carrier Transicold
 Container Products Group
 1095 Cranbury South
 River Road, Suite 23
 Jamesburg, NJ 08831 USA
 Tel: +1-973-895-1353
 Fax: +1-973-895-1356

**Europe/Middle East/
 Africa**
 Carrier Transicold
 Limited
 Pittsburghstraat 21
 3047 BL Rotterdam
 The Netherlands
 Tel: +31-10-2380100
 Fax: +31-10-2380142

Asia/Pacific
 Carrier Transicold
 Pte. Ltd.
 251 Jalan Ahmad
 Ibrahim
 Singapore 629146
 Tel: +65-6213-6388
 Fax: +65-6862-5309

Asia/Pacific
 Carrier Refrigeration
 (Hong Kong) Ltd.
 Unit A-C, 20/F
 Tsuen Wan
 International Centre
 68 Wang Lung Street
 Tsuen Wan, N.T.
 Hong Kong
 Tel: +852-288-00389
 Fax: +852-288-00314

Japan
 Toshiba Carrier
 Transicold, Ltd.
 14 Nihon Odori
 Naka-Ku, Yokohama,
 Japan
 Tel: +81-45-664-6271
 Fax: +81-45-664-6270

Australia
 Carrier Refrigeration
 Building A, Lot 302
 Hill Road, Lidcombe
 Sydney, NSW 2141
 Australia
 Tel: +61-2-9818-9700
 Fax: +61-2-9810-4139



Carrier

A United Technologies Company

Carrier Transicold Division
 Carrier Corporation
 Container Products Group
 P.O. Box 4805
 Syracuse, NY 13221 USA

www.container.carrier.com

