



United Technologies

PrimeLINE[®]

*The PrimeLINE[®] unit runs green.
And keeps you in the black.*



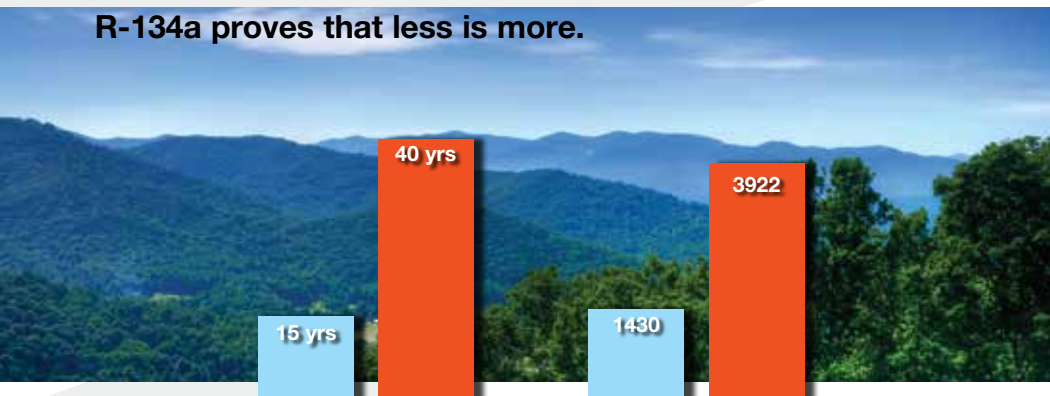
PrimeLINE®

For the best in product expertise and service support, count on Carrier.

The best of both: lower operating costs and emissions.



R-134a proves that less is more.



Atmospheric Lifetime (years) Global Warming Potential (GWP)*

R-134a R-404A



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

Exceptional efficiency and life-cycle cost.

- The PrimeLINE unit answers rising energy fuel costs with superior efficiency.
- Faster pulldown – vapor injection system starts compressor cycling sooner, minimizing power consumption.
- Time-tested Carrier reliability means lower maintenance costs.
- Significantly decreases life-cycle costs by reducing energy use and maintenance costs.

The environmental advantages.

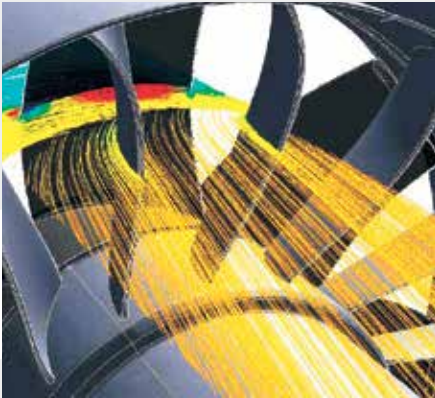
- Improved efficiency reduces power draw, which reduces CO₂ emissions.
- For minimal environmental impact, R-134a has a significantly lower atmospheric life and GWP than R-404A.
- Engineered to provide highest deep frozen capacity with R-134a.

Optimized to take efficiency to new highs and environmental impact to new lows.



The PrimeLINE unit features a digital scroll compressor and includes:

- Highest efficiency in container applications.
- Digital modulation (unloading) minimizes energy usage.
- Vapor injection system delivers more cooling capacity.
- Aluminized coating for maximum corrosion protection.



- The PrimeLINE® unit features an exclusive evaporator fan, stator, and 3-phase motor.
- Optimized assembly reduces power consumption, not airflow.
- Aero modeling reduces friction and resistance across the fan blade, improving efficiency.
- Aerospace-inspired fan engineered and built in partnership with Carrier's parent company, United Technologies.



- Electronic expansion valve helps attain deep frozen capacity and stable temperature control.
- PrimeLINE units provide enhanced dehumidification control (down to 50% relative humidity) over a wide range of operating temperatures with no compromise to energy efficiency.



- Patented, electrostatically coated copper-formed condenser coil for superior corrosion protection.
- Coil surface area increased for higher efficiency.



- Micro-Link® 3 controller delivers the same reliability, interchangeability, and accuracy field-proven in our industry-leading ThinLINE® platforms.

Superior support for all Carrier products.

PrimeLINE is supported by the most extensive network of expert service engineers and global access to parts.

Carrier is the worldwide expert in container products and support, with more units in operation today than all others combined. Trust Carrier for best-in-class performance, quality, and service.



The PrimeLINE unit has been validated UL environment as having a 93 percent recyclability rate, according to the environmental claim validation procedure 2789, joining Carrier's NaturalINE® unit as the only container refrigeration units to achieve recyclability validation.



PERFORMANCE SPECIFICATIONS

PrimeLINE®



Cooling Capacity: Ambient @ 38°C (100°F) with Exclusive HFC-134a Digital Scroll Compressor

Temperature	Watts	Btu/hr
2°C (35°F)	12,000	40,900
-18°C (0°F)	6,600	22,500
-29°C (-20°F)	4,400	15,000

Specifications are subject to change without notice.

Standard Features:

Refrigeration System

- Exclusive HFC-134a digital scroll compressor
- Zero ODP HFC-134a
- Digital capacity unloading
- High-efficiency evaporator and formed condenser coils
- Electrostatically coated all-copper condenser coil
- High-efficiency vane-axial evaporator fans
- Three-phase condenser and dual-speed evaporator fan motors
- Electronic expansion valve
- Refrigerant receiver with sight glass, Al coated steel for superior corrosion protection
- ATO (Sprenger)-accepted adjustable fresh-air exchange

Electrical System

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

Control System

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

Convenience Features

- Removable front service panels
- Forklift pockets
- TIR compliant

Provisions

- Water-cooled condenser
- Dual-voltage transformer
- Fresh-air vent position sensor

Accessories and Options:

- USDA cold-treatment recording package
- Rechargeable power-up battery pack
- Dual-voltage transformer module
- Electronic power line communication module (RMU)
- Remote monitoring receptacle (ISO 4-wire)
- Water-cooled condenser system
- Dehumidification control
- Low-position air-exchange control
- Fresh-air vent position sensor
- QUEST power-saving mode
- FuelWise™ power-saving mode
- Hinged rear bulkhead panel with quick-release fasteners
- Thermometer insertion ports (supply/return air)
- LED display
- Convenience handles
 - Center
 - Left
 - Sling
- Rain gutters (bolted or riveted)
- Voltage shields
- Special control modes
 - Bulb
 - ACT / ASC
- Nitrogen ports
- Vacuum pressure relief valve
- Interrogator plug location inside control box
- Tranfresh module
- Secure rechargeable battery
- Certification: ABS, BV, KRS, GL
- CE marking

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