



Optimal Performance.  
Optimal Efficiency.

**OptimaLINE**

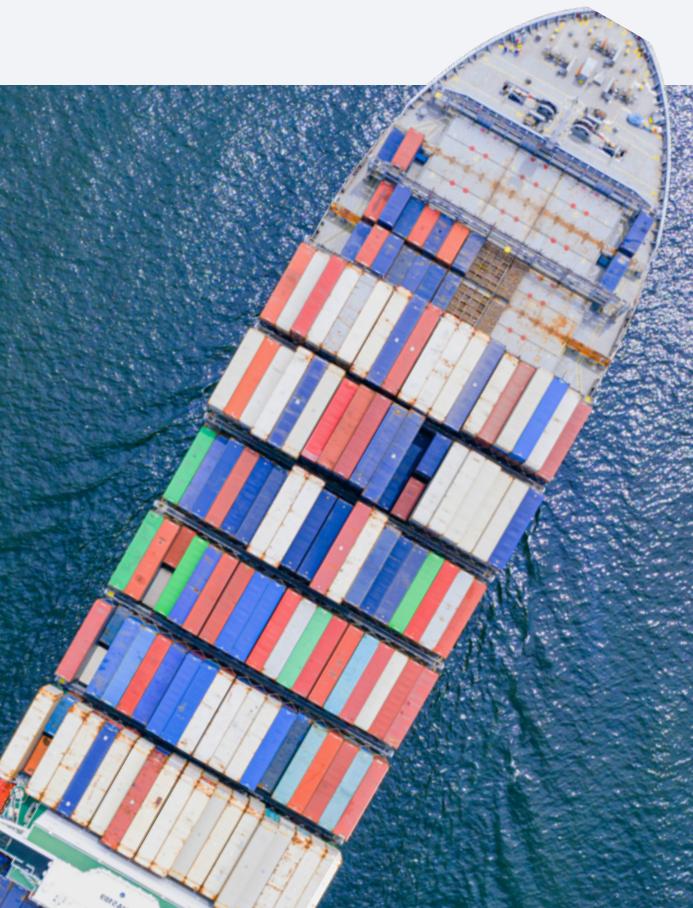




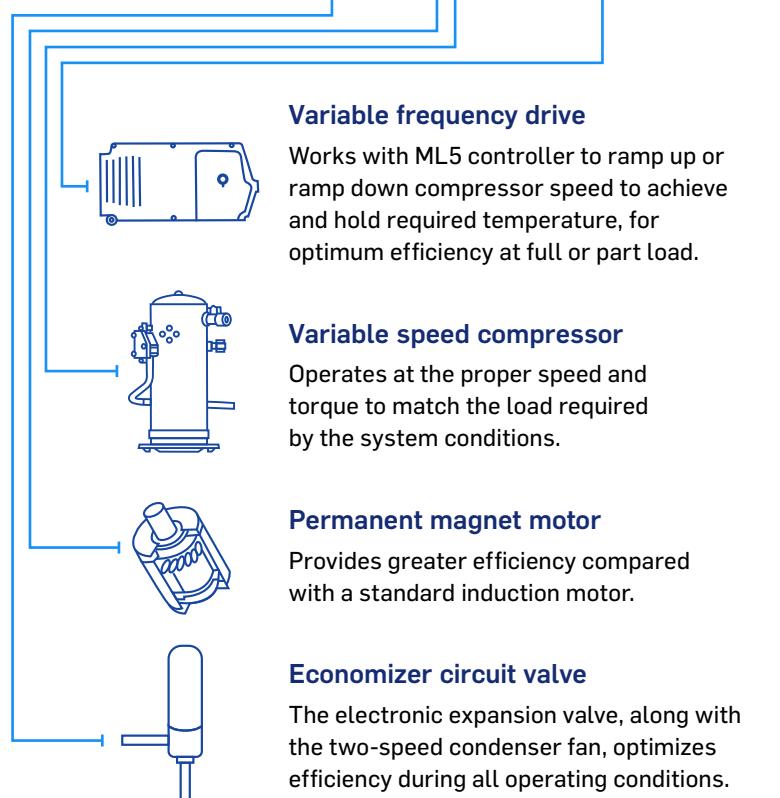
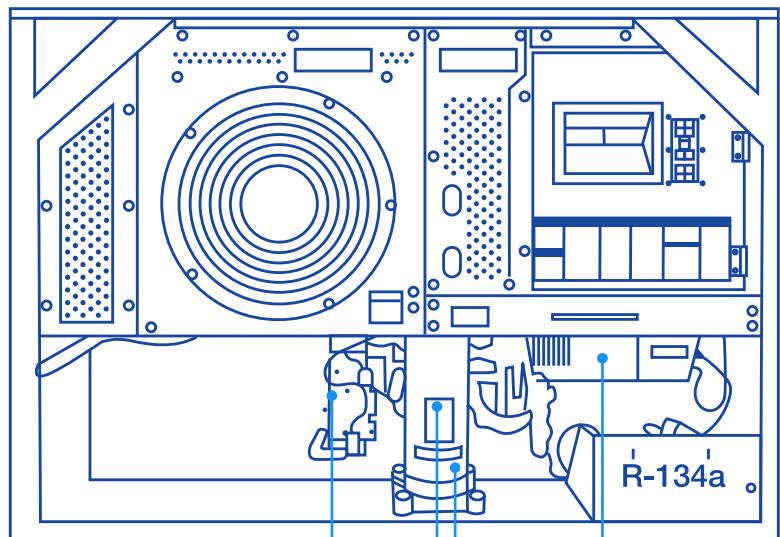
Experience unmatched refrigeration efficiency levels across a wide range of operating conditions and load levels.



As sustainability requirements grow and operating costs increase, the need to move temperature-sensitive cargo around the globe at more efficient levels is more urgent than ever before. OptimaLINE™ makes this possible by delivering a step-change in efficiency and sustainability across multiple operating conditions. Building on the proven strengths of our bestselling PrimeLINE® platform, we combined the latest refrigeration technology from across our company and partners, so that OptimaLINE allows you to meet these new industry demands with confidence.

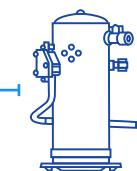


## TECHNOLOGY UPDATES:



### Variable frequency drive

Works with ML5 controller to ramp up or ramp down compressor speed to achieve and hold required temperature, for optimum efficiency at full or part load.



### Variable speed compressor

Operates at the proper speed and torque to match the load required by the system conditions.



### Permanent magnet motor

Provides greater efficiency compared with a standard induction motor.



### Economizer circuit valve

The electronic expansion valve, along with the two-speed condenser fan, optimizes efficiency during all operating conditions.

# Adding OptimaLINE to your fleet brings you a whole host of powerful benefits:

## STEP-CHANGE IN EFFICIENCY

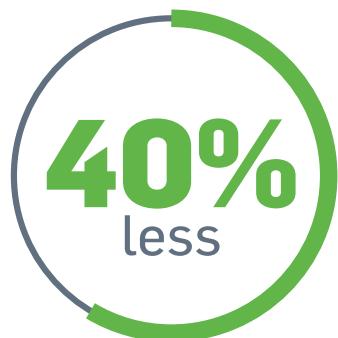
Equipped with the latest advancements in reefer technology, OptimaLINE ensures high efficiency across various ambient temperatures and load levels. That way, you can adapt seamlessly to new cargoes and operating conditions.



15% less power draw compared with previous units

## GREATER ENVIRONMENTAL SUSTAINABILITY

OptimaLINE's flexibility helps lower fuel consumption and reduce carbon emissions, making it easier for you to combat climate change and meet evolving environmental regulations with confidence. Not only can you achieve your current sustainability goals, you can now even future-proof your fleet for tomorrow.



40% greater reduction of carbon dioxide (CO<sub>2</sub>) emissions

## ONGOING SUPPORT FROM A WORLDWIDE SERVICE PARTNER

OptimaLINE is brought to you by Carrier Transicold, which means you'll receive the strength of our global service network. With over 400 container refrigeration service centers worldwide, you can enjoy greater confidence throughout the lifecycle of your OptimaLINE units and fleet.



# PERFORMANCE SPECIFICATIONS



Cooling Capacity: Ambient @ 38°C (100°F) with  
Exclusive HFC-134a Digital Scroll Compressor @ 460v 60Hz

Temperature	Watts	Btu/hr
2°C (35°F)	12,500	42,600
-18°C (0°F)	6,800	23,200

Specifications are subject to change without notice.

## Standard Features:

### Refrigeration System

- Exclusive HFC-134a variable speed scroll compressor (R-513A and R-1234yf ready) with permanent magnet motor
- Zero ODP HFC-134a
- High-efficiency evaporator and extruded micro-channel condenser coils
- Electrostatically coated all-aluminum condenser coil
- High-efficiency vane-axial aero technology evaporator fans
- Three-phase dual speed condenser and dual-speed evaporator fan motors
- Electronic expansion valves for evaporator and economizer circuits
- Refrigerant receiver with two stainless steel sight glasses, one with integral moisture eye
- ATO (Sprenger)-accepted adjustable fresh-air exchange (with micro and macro settings)
- CE marking

### 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
- High-efficiency variable frequency drive
- Electric heat
- Main power circuit breaker

### Control System

- Micro-Link® 5 modular controller with dual sensors
- DataCorder™ electronic data recorder
- Backlit LCD display
- Pharma mode
- USB micro-AB port
- Pressure-limiting feature
- Current-limiting feature
- Cool, Heat, Defrost, In-Range, alarm indicator lights
- Selectable timed electric defrost (3/6-/9-/12-/24-hour settings) or automatic defrost or fixed time based defrost
- Manual defrost initiation
- Time-delay motor start sequence
- Suction, discharge and economizer outlet temperature sensors
- Suction, discharge and economizer pressure transducers
- Secure rechargeable Li-ion battery

### 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 Li-ion battery pack (high-capacity)
- Dual-voltage transformer module
- Electronic power line communication module (RMU)
- Remote monitoring receptacle (ISO 4-wire)
- CEE17 power plug with earth @ 3h/6h convertible position
- Water-cooled condenser system
- Dehumidification control
- Fresh-air vent position sensor
- QUEST, QUEST II power-saving mode
- FuelWise™ power-saving modes
- TripWise (runtime, automatic PTI)
- Hinged rear bulkhead panel with quick-release fasteners
- Thermometer insertion ports (supply/return air)
- Interrogator plug
- LED display
- Convenience handles (center, left and sling)
- Rain gutters (bolted or riveted)
- Longer power cable options
- Voltage shields (HV only)
- Special control modes (bulb or ACT/ASC)
- Nitrogen ports
- Box over pressure relief valve
- Vacuum pressure relief valve
- Interrogator plug location inside control box
- Certification: ABS, BV, KRS, GL

### Controlled Atmosphere

- EverFRESH option
- Automatic CO<sub>2</sub> injection
- N<sub>2</sub>, CO<sub>2</sub>, ethylene injection port

### Telematics

- Lynx Fleet

**Ready to put increased performance, efficiency and sustainability to work in your fleet?**

Connect with a Carrier Transicold representative in your region.

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