PrimeLINE ONE™

PrimeLINE ONE™ refrigerated container system

PrimeLINE ONE™ is a new refrigerated shipping container developed through a joint initiative by Carrier Transicold and Singamas Container Holdings Ltd., a leading manufacturer of shipping containers. PrimeLINE ONE provides the benefits of the industry's best-selling container refrigeration system through a streamlined assembly process, which can provide optimized lead times, based on the location.

The PrimeLINE ONE refrigeration system is directly installed on-site onto a welded front wall of a specially designed container.

The choice is yours.

PrimeLINE ONE™ offers an alternative to the current bolt-on PrimeLINE unit.

Both the PrimeLINE ONE and the standard PrimeLINE bolt-on units come with their unique benefits to meet your varied needs.

Key PrimeLINE ONE Features:

1. **Alternative assembly location** – Optimized lead times based on different manufacturing sites.
2. **Proven performance of the PrimeLINE® refrigeration system** – All the components, controller and control software are identical to the PrimeLINE system, helping to ensure proven performance is secured.
3. **Easy maintenance and repairs** – All the components, controller and control software are interchangeable with existing parts of the PrimeLINE system.

PERFORMANCE SPECIFICATIONS

PrimeLINE ONE™

(inclusive 40-foot high cube container)

	Height x Width x Length
Dimension (unit)	2,438 mm (8') x 2,896 mm (9'6") x 12,200mm (40')
Weight (unit)	4,470 kg
Refrigerant	HFC R-134a
Power Supply	3 phase, 380/480 Volt, 50/60 Hz
Noise	74 db(A)

Cooling Capacity at 38°C (100°F) ambient with digital scroll compressor

	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
- TIR compliant

Provisions
- Fresh-air vent position sensor

Accessories and Options:
- USDA cold-treatment recording package
- Rechargeable power-up battery pack
- Electronic power line communication module (RMU)
- Remote monitoring receptacle
- Dehumidification control
- Fresh-air vent position sensor
- QUEST power-saving mode
- FuelWise™ power-saving mode
- LED display
- Voltage shields
- Special control modes
  - Bulb
  - ACT / ASC
- Vacuum pressure relief valve
- Interrogator plug location inside control box
- Secure rechargeable battery
- Certification: ABS, BV, KRS, GL
- CE marking

Carrier TRANSICOLD United Technologies

SINGAMAS