

Carrier  
Transicold

ULTRA XTC



*Extraordinary*  
PERFORMANCE  
with *exceptional*  
TEMPERATURE  
control.



# ULTRA XTC. Whether it's *QUALITY control* or *cost CONTROL*, it's *good* to go to *EXTREMES*.



Extreme temperature control has arrived. And it brings lower total cost with it. Introducing Ultra XTC,<sup>™</sup> the all-purpose model in X Series,<sup>™</sup> the high-performance trailer refrigeration line from Carrier. Designed to deliver greater profitability to your fleet, Ultra XTC features exceptional reliability and durability. Precise, dependable performance. Easy operation. And lower life-cycle cost. After all, the bottom line is the bottom line.

Built on Carrier's proven Ultra<sup>™</sup> reefer platform, the major XTC components – engine, compressor, and electronics – have a 20-year track record in transport refrigeration. The result is a high-output system that offers superior temperature control and faster recovery to ensure on-time delivery.

Ultra XTC is equipped with the industry's most advanced technology, standard: our exclusive Advance<sup>™</sup> controller with UltraFresh 3<sup>™</sup> temperature management, California Air Resources Board-certified (CARB) DI engine, and TurboAir<sup>™</sup> air management.

Ultra XTC systems generate premium airflow along with premium air-throw to move more air at higher velocity. Giving you industry-high capacity, pulldown, and temperature control, surrounding every square inch of cargo with premium protection.

Deep frozen, frozen, or perishable, over the road or local delivery, Carrier Ultra XTC trailer refrigeration offers that extra measure of performance. For fleets looking to expand their competitive range.

#### Durability and reliability.

- Proven engine, compressor, microprocessor with 20-year track record in trailer refrigeration.
- 18% fewer parts.
- 23% lower operating RPMs.
- Superior operating envelope control extends component life.

#### Lower life-cycle cost.

- ESI<sup>™</sup> Extended Service Interval package.
- Lower fuel consumption.
- Reduced maintenance costs.
- Advanced diagnostics speed troubleshooting.



#### Product protection and quality.

- Faster pulldown.
- Tighter temperature control.
- Superior air distribution.
- UltraFresh 3 temperature control, standard.
- DataLink<sup>™</sup> data recorder, standard.

#### Driver/employee retention.

- Lower noise levels.
- Superior trailer utilization.
- Faster trailer loading.
- Easy-to-operate Advance microprocessor controller, standard.
- MessageCenter<sup>™</sup> keeps drivers informed.
- Multilingual capability.
- Optional IntelliSet<sup>™</sup> simplifies setpoint selection.



# XTC is the name of the SYSTEM.

## When extraordinary PERFORMANCE is the NAME of the game.

Ultra XTC proves you can boost performance and increase cost efficiency at the same time. For example, Carrier XTC trailer systems run at 23% lower RPMs to increase engine and compressor life. This also extends the life of idlers and belts. It reduces fuel consumption and extends maintenance cycles. And it reduces downtime and maintenance costs.

UltraFresh 3 temperature management, coupled with electronic stepper valve flow management, improves temperature control. At the same time, it reduces system load, increases fuel efficiency by 10%, and extends component life.

To reduce inventory costs and further reduce maintenance, we've eliminated a fan, coil, belt, and solenoid valve. The condenser/radiator coils are integrated. Removable doors and up-front placement of serviceable components give technicians wide-open service access. Having fewer fasteners also speeds serviceability.

What's more, 7mm condenser tubing and an optimized receiver tank design reduce refrigerant charge by six pounds. Less refrigerant, along with our extended evaporator, actually increases capacity while reducing maintenance costs even more.

## With XTC, performance goes UP. Operating costs go the OTHER way.

Carrier X Series trailer systems have it all, for every application. Proven performance and rugged durability combined with extra airflow and extended air-throw. To give you maximum protection in today's thinwall trailers.

Built to deliver maximum cooling capacity, Ultra XTC is the high-performance trailer refrigeration system that handles over-the-road, grocery, and distribution applications at every setpoint, including deep frozen.



Lower  
Noise

Lower Fuel  
Consumption

Total  
Lower  
Cost



Ultra XTC is loaded with extended performance features:

- Pulldown power.
- Precise UltraFresh 3 temperature control.
- TurboAir air-management system.
- Superior fuel efficiency.
- Quieter operation – before installing our optional Stealth™ noise reduction package.
- Lower RPMs for longer life and quieter operation.
- 18% fewer parts, less maintenance.
- 23% reduction in refrigerant charge.
- DuraShell™ composite skins and doors.
- DuraDrive™ damperless design.
- Superior high-ambient capability and lower coolant temperatures.
- Advance microprocessor control with DataLink™ data recorder.
- ESI™ Extended Service Interval package.

## ADVANCE tells everyone EXACTLY what they NEED to know.

Advance keeps everyone in the loop with fast, accurate, easy-to-understand information in plain English or Spanish. That's what makes Carrier's Advance control system with MessageCenter, DataManager, ServiceManager, and DataShare™ so easy to work with. For the driver, Advance eliminates costly mistakes. For the service technician, Advance saves historical alarm messages; provides comprehensive pretrip, diagnostic, and component test modes; and, along with ServiceManager and DataShare PC cards, streamlines repairs and upgrades. For the operations manager, Advance stores, downloads, and transfers detailed performance data quickly and easily using DataManager and DataShare PC cards. And for the fleet owner, Advance ensures peak product protection, reduced operating costs, and increased profitability. Quite simply, Advance tells everyone exactly what they need to know. Right now.

### DRIVERS AND SHIPPERS

Alphanumeric MessageCenter.  
Programmable keypad lockouts.  
IntelliSet profiles.  
Simple, logical screen layout.  
Graphics strip printer.

### SERVICE TECHNICIANS

Advanced pretrip.  
Pinpoint diagnostics.  
Low refrigerant detection.  
Stored alarms.  
Smart FET relay technology.  
DataShare PCMCIA cards.  
DataManager & ServiceManager PC toolset.

### OPERATIONS MANAGERS

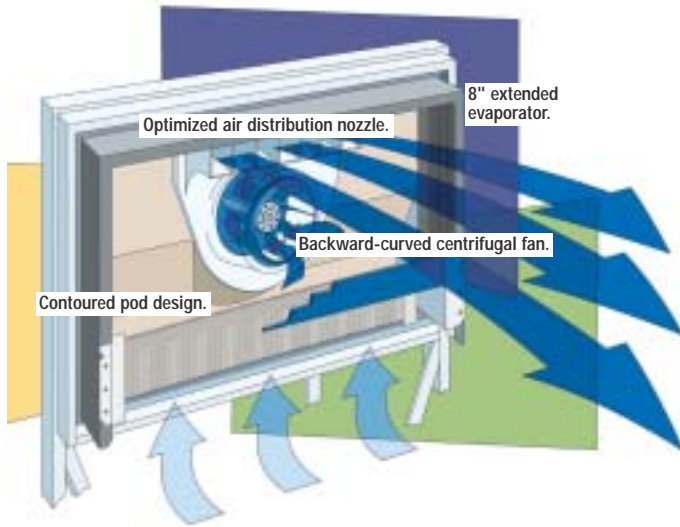
DataLink.  
Fast PC card downloads with DataShare.  
DataManager PC tools.  
Eight programmable hourmeters.

### FLEET OWNERS

Improved operational control.  
Lower maintenance costs.  
Enhanced product protection.  
Reduced operational costs.  
Streamlined training.  
Fleet-friendly.  
Improved bottom line.



# TURBOAIR, the *best* air-management system *ever*.



Take a closer look: you can see how XTC, with our exclusive TurboAir system, delivers advanced temperature performance. The XTC air-management system optimizes all aspects of the fan system to provide exceptional performance and efficient use of horsepower.

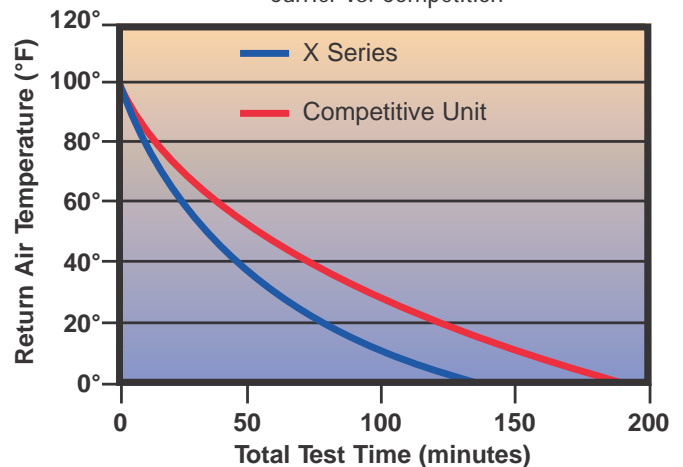
- **Faster pulldown.** The XTC extended evaporator and high-efficiency 7mm condenser coil design combine to generate higher capacity than any system in its class.

- **Higher airflow.** XTC generates industry-high 3,350 cfm airflow. By moving 11% more air through the box, the XTC provides more capacity, faster pulldown, more even air distribution, and consistent load protection.

- **Higher air-throw.** Engineered air plenum, blower wheel, evaporator compartment, and airflow nozzle produce 11% higher airflow and higher air velocity.

- **Central air discharge.** Far more efficient than side discharge. Distributes air evenly front to back, side to side, top to bottom.

**Pulldown Test Comparison**  
Carrier vs. Competition

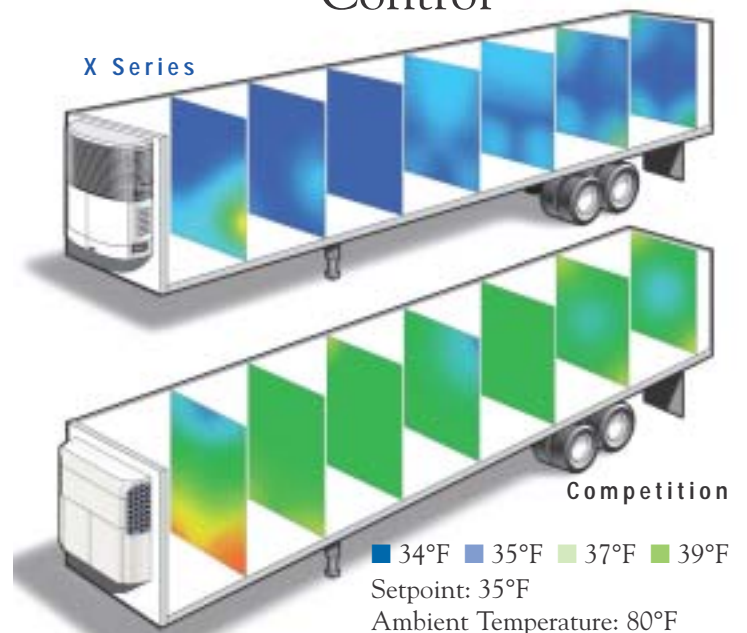


## Evaporator Air Distribution

■ High Flow ■ Medium Flow ■ Low Flow



## Tighter Temperature Control



## XTC *with* UltraFresh 3.

Tighter control, *higher efficiency*, longer life,  
**BIGGER payback.**

Ultra XTC is equipped with our industry-leading Advance microprocessor controller, featuring the new, highly advanced UltraFresh 3 temperature management system, and our unique electronic stepper valve. This highly efficient combination provides unmatched control of refrigerant flow, resulting in exceptional temperature control.

As a result, Ultra XTC not only provides extraordinary product protection. It also maximizes fuel efficiency and minimizes run time to extend component life – and system life. Giving you more payback on every payload.



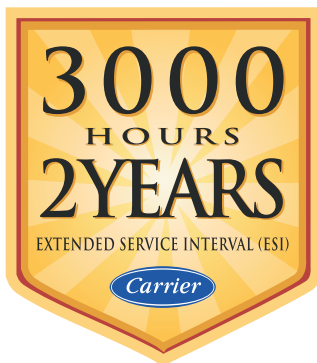
*UltraFresh 3 for superior cargo protection.* Consistent cargo quality means repeat business.



*XTC provides up to 10% greater fuel efficiency in Continuous Run.* Higher fuel savings means lower cost of ownership.



*XTC runs at 23% lower RPMs with reduced system pressures.* Lower RPMs and pressures mean longer system life.




*Extended Service Interval (ESI) package for EXTENDED protection.*

Our exclusive ESI package is specially designed to reduce maintenance and disposal costs, extend maintenance cycles and system life, and protect the environment. It features a 3,000-hour/2-year filter-change interval, 12,000-hour coolant interval, and superior fuel, air, and oil filtration.

# What do YOU get with the SERIES that has *everything*? EVERYTHING else.

You get DETAILS that make a *difference* INSIDE.

You get DETAILS that make a *difference* on the ROAD.



- **Dual sightglasses** for fast, accurate check of refrigerant charge from outside the doors; simplified service.
- **6 pounds less refrigerant charge** for reduced maintenance costs.
- **Electronic stepper valve** for superior temperature control, fuel efficiency, and reliability.
- **Powder paint** for superior corrosion resistance.
- **05Q 6-cylinder compressor** for higher capacity and faster pull-down.
- **Extended fittings on valves** for ease of service.
- **Heavy-duty 65-amp alternator**, standard.
- **4-cylinder diesel engine** with 20-year track record of proven performance.
- **Flip-up micro cover** protects controller.
- **Advance microcontroller**.
- **Up-front placement** of all serviceable components.
- **Wide footprint unidrive** for superior vibration isolation.



• **High-efficiency coils and contoured pod** with crosshatch 7mm tubing for increased surface area.

• **Patented composite DuraShell doors** for high impact resistance; welded seams, impregnated color.



**Advance controller with UltraFresh 3** enabled by supply- and return-air sensors, unloaders, and electronic stepper valve, standard.

• **All backed by the most comprehensive maintenance program and warranty coverage in the industry.**



**Field-service assistance.** Come to us with questions, we'll come to you with answers. Need more help? Call our toll-free action hotline 24/7.

**Priority,™** the no-fee, one-bill 24/7 service and parts card. Carry the card that says Carrier. It takes care of everything you need to take care of. Use it locally and at every authorized Carrier Transicold dealer in North America.



**Dealer sales and support network.** More than 190 authorized dealers across North America. Stocking genuine Carrier Performance Parts.™

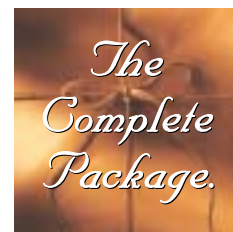


**RoadCare™** aftermarket program. Extended warranty coverage, comprehensive maintenance agreements, on-site service and support. We go the extra mile to keep things running smoothly.



**Genuine Performance Parts.**

Genuine factory parts ensure precision refrigeration performance. We provide the parts you need, where and when you need them, including same-day fulfillment on emergency orders.



There's so much more to your equipment purchase than equipment. That's why every refrigeration system you order from Carrier is backed by our Complete

Package of support services, before and after the sale. It gives you complete confidence you're getting the optimum performance you depend on to deliver the absolute quality your customers expect. No one knows that better than Carrier. No one provides that better than Carrier.

# PERFORMANCE Specifications

## ULTRA XTC



**Ultra XTC Cooling Temperature/Capacity:**  
Ambient at 100°F (38°C).  
Speed: 1,700 rpm diesel.

Evaporator Return Air Temperature	Btuh	Watts
35°F ( 2°C)	64,000	18,757
0°F (-18°C)	33,000	9,672
-20°F (-29°C)	21,000	6,155



Carrier Transicold participates in the ARI rating certification program.

### Standard Features Include:

- Engine:
  - 2.2-liter direct-injection diesel engine
  - 4 cylinders
  - 15-qt. (14.2-liter) oil capacity
- Compressor:
  - 05G 40-CID compressor
  - 6 cylinders
  - High-capacity oil pump
- Refrigerant-404A
- UltraFresh 3™ temperature control
- Electronic stepper valve
- DuraShell™
- DuraDrive™
- Auto-Start/Stop
- 65-amp alternator
- 50-gal. aluminum fuel tank
- Installation package
- Advance™ microprocessor
- DataLink™ data recorder
- ESI™ Extended Service Interval package

### Accessories and Options:

- DataTrak™ remote communications
- Open-door indicator and shutdown switch
- Fuel tanks (aluminum)
  - Remote 30 gal. – 22"
  - Remote 50 gal. – 22"
  - Remote 75 gal. – 22"
  - Remote 100 gal. (single fill)
  - Remote 100 gal. (double fill)
  - Remote 120 gal. (single fill)
  - Remote 120 gal. (double fill)
- Antisiphon fuel fill cap
- Fuel heater
- Synthetic oil
- IntelliSet™
- Top grille
- Silicone hoses
- Custom color paint
- Remote light bar
- Remote temperature probe
- Full Stealth™ noise reduction package
- Basic Stealth noise reduction package
- Full bottom panel
- Stud post battery terminals
- Impact protection bumpers
- Microprocessor protection bumper
- 105-amp alternator
- Fuel level and shutdown sensor

### Approximate Weights:

- NDL93N 1,610 lb. (730 kg)
- 30-gal. aluminum fuel tank 56 lb. (25 kg)
- 50-gal. aluminum fuel tank 65 lb. (29 kg)
- Battery 50 lb. (23 kg)

**Warranty:**  
See Form 62-10695 for terms and conditions on the X Series 3-year warranty. This warranty applicable only in North America. Consult your Carrier Transicold representative for warranty coverage elsewhere.

Specifications are subject to change without notice.



**Carrier**

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