

Carrier Transicold

ULTRA XT EXTRA XT



SERIES

Exceptional
TEMPERATURE
management
for *extraordinary*
PROTECTION.

Carrier

ULTRA XT *and* EXTRA XT. With X Series from Carrier, *exceptional* PROTECTION is the rule.

Introducing Ultra XT™ and Extra XT™, part of the X Series™ from Carrier. Everything you need today for carrying perishable and frozen products. Exceptional reliability and durability. Precise, dependable performance. Easy operation. And lower life-cycle cost.

Built on Carrier's proven Ultra™ and Extra™ reefer platform, the major XT components – engine, compressor, and microprocessor controller – have a 20-year track record in transport refrigeration. Bottom line: these high-output systems offer superior temperature control, faster recovery, and on-time delivery.

Carrier XT trailer systems also generate extra airflow to move more air throughout the box. Along with extra air-throw to move more air at higher velocity. The advantage? XT systems surround every square inch of cargo with premium protection.



Fresh, frozen, or deep-frozen products, over the road or local delivery, Carrier Transcold X Series trailer refrigeration offers that extra measure of performance. For fleets looking to extend their competitive advantage.

Durability and reliability.

- Proven engine, compressors, microprocessor with 20-year track record in trailer refrigeration.
- 18% fewer parts.
- 23% lower operating RPMs.

Lower life-cycle cost.

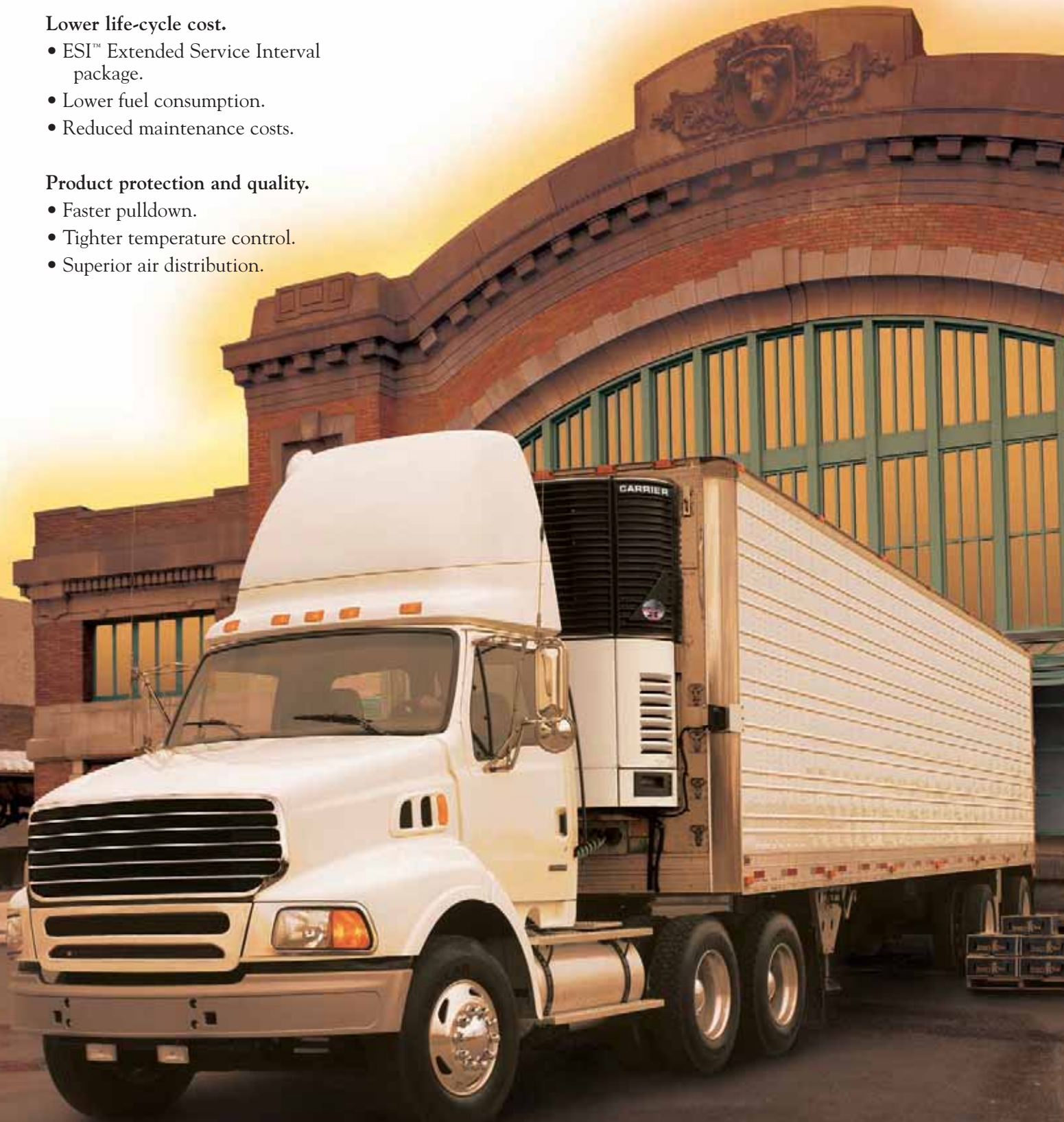
- ESI™ Extended Service Interval package.
- Lower fuel consumption.
- Reduced maintenance costs.

Product protection and quality.

- Faster pulldown.
- Tighter temperature control.
- Superior air distribution.

Driver/employee retention.

- Lower noise levels.
- Superior trailer utilization.
- Faster trailer loading.
- Easy to operate.



X Series *presents* a COMMON-SENSE approach to *extraordinary* PERFORMANCE.

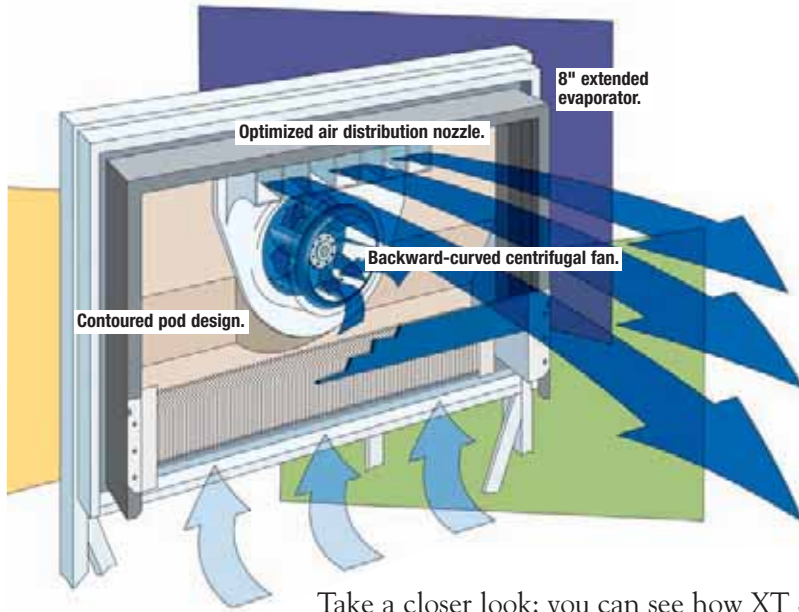
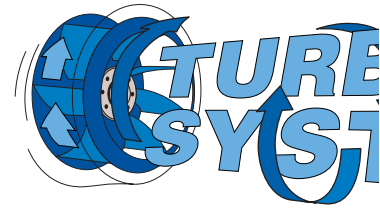
X Series is proof you can boost performance and increase cost efficiency at the same time. For example, Carrier XT trailer systems run at 23% lower RPMs to increase engine and compressor life. This also extends the life of idlers and belts. It reduces fuel consumption and extends maintenance cycles.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

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.



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

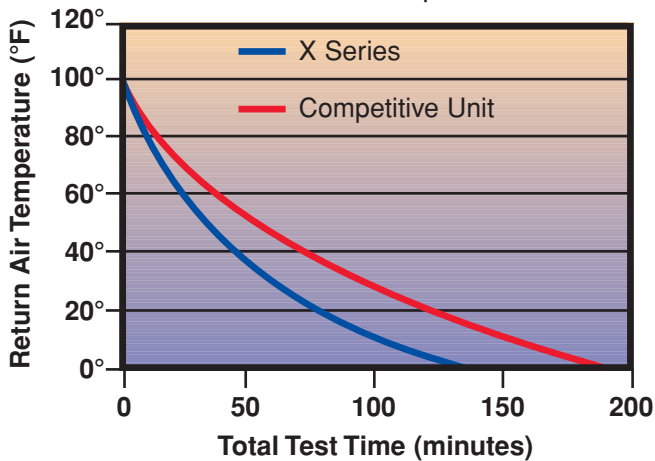


Take a closer look: you can see how XT Series, with our exclusive TurboAir™ system, delivers advanced temperature performance. The XT air-management system optimizes all aspects of the fan system to provide exceptional performance and efficient use of horsepower.

- **Faster pulldown.** The XT extended evaporator and high-efficiency 7mm condenser coil design combine to generate higher capacity than any system in its class.
- **Higher airflow.** XT generates industry-high 3,350 cfm airflow. By moving 11% more air through the box, the XT provides more capacity, faster pulldown, more even air distribution, and consistent load protection.



Pulldown Test Comparison
Carrier vs. Competition

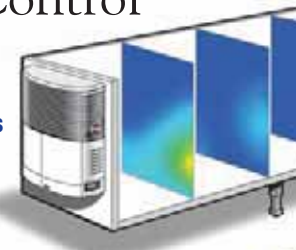


- **Higher air-throw.** Engineered air plenum, blower wheel, evaporator compartment, and air-flow nozzle produce 11% higher airflow and higher air velocity.

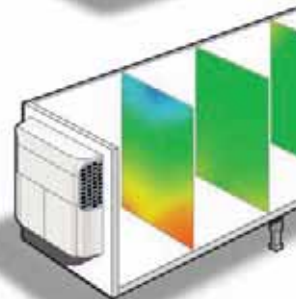
- **Central air discharge.** Far more efficient than side discharge. Distributes air evenly front to back, side to side, top to bottom.

Tighter Temperature Control

X Series



Competition



30 AIR SYSTEMS™



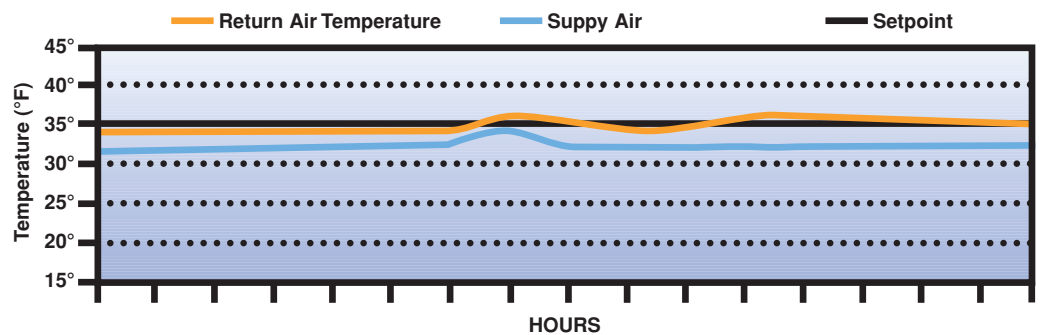
Evaporator Air Distribution

■ High Flow ■ Medium Flow ■ Low Flow

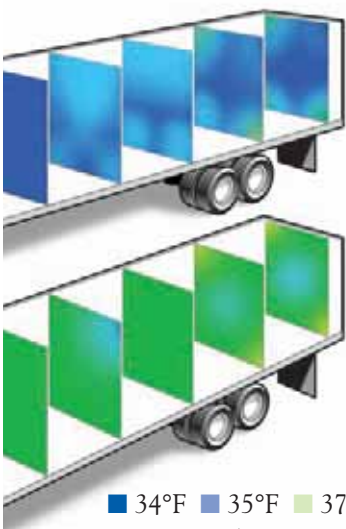


With DataLink, you're
ready for HACCP.
Before HACCP is ready for you.

X Series Systems



Specify your XT systems with our DataLink™ option, and you're ready for all proposed Hazard Analysis Critical Control Points (HACCP) regulations now. U.S. regulatory bodies such as the FDA and USDA have already implemented critical control guidelines in the seafood, meat, and poultry industries to ensure food safety and proper temperature control. The XT Series with our exclusive UltraFresh 2™ system, standard, ensures precise control and total protection. Our DataLink option records temperature data en route to document load conditions, pulldown, temperature control, and other operating data.



■ 34°F ■ 35°F ■ 37°F ■ 39°F
Setpoint: 35°F
Ambient Temperature: 80°F

With X Series, *performance* went UP.
Operating costs went the OTHER way.

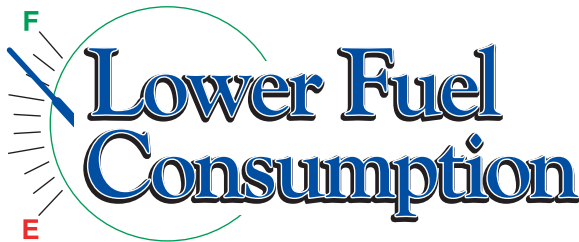


Carrier XT trailer systems have it all, for every application. Proven performance and rugged durability combined with extra airflow and extended air-throw. To give you optimum protection in today's thinwall trailers.

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

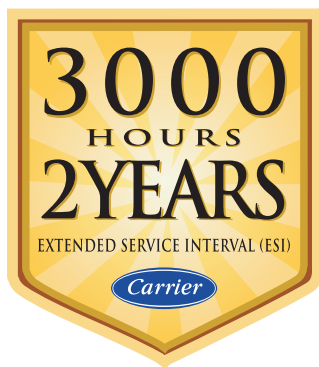


A proven workhorse, Extra XT is the special-purpose trailer refrigeration system designed to handle LTL, grocery, and distribution applications at both fresh and frozen setpoints.



The XT Series is loaded with extended performance features:

- Pulldown power.
- Precise UltraFresh™ 2 temperature control.
- Advanced 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.
- ESI™ Extended Service Interval package.



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.

The *simplest*, most *accurate* MICRO ON today's *market*.

Carrier's exclusive microprocessor controller features virtually automatic operation in a system that's driver-friendly, technician-helpful, and HACCP-ready. X Series temperature logic optimizes compressor speed and cylinder unloading for maximum pulldown speed, box temperature control, and recovery.




What do YOU get with the *SERIES* that You get *DETAILS* that make a *difference* INSIDE.

- 
- **Dual sightglasses** for fast, accurate check of refrigerant charge from outside the doors; simplified service.
 - **6 pounds less refrigerant charge** for reduced maintenance costs.
 - **Powder paint** for superior corrosion resistance.
 - **05G 6-cylinder compressor** for higher capacity and faster pulldown.
 - **Wide footprint unidrive** for superior vibration isolation.
 - **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.
 - **Up-front placement** of all serviceable components.



- **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.

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

has *everything*? EVERYTHING else.

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



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.



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.



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

PERFORMANCE Specifications

ULTRA XT



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 2™ temperature control
DuraShell™
DuraDrive™
Auto-Start/Stop
65-amp alternator
50-gal. aluminum fuel tank
Installation package
ESI™ Extended Service Interval package

Accessories and Options:

Flush-mount remote control panel
DataLink™ data recorder
DataLink open door indicator switch
Diagnostic monitor program
DataTrak™ remote communications
Open trailer door shutdown switch
Fuel tanks (aluminum)
Remote 30 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

Accessories and Options (continued):

Synthetic oil
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
Air cleaner indicator
*Unit must be equipped with DataLink option

Approximate Weights:

NDL93M 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)

Ultra XT 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

EXTRA XT



Standard Features Include:

Engine:
1.9-liter indirect-injection diesel engine
4 cylinders
15-qt. (14.2-liter) oil capacity
Compressor:
05G 37-CID compressor
6 cylinders
High-capacity oil pump
Refrigerant-404A
UltraFresh 2™ temperature control
DuraShell™
DuraDrive™
Auto-Start/Stop
65-amp alternator
50-gal. aluminum fuel tank
Installation package
ESI™ Extended Service Interval package

Accessories and Options:

Flush-mount remote control panel
DataLink™ data recorder
DataLink open door indicator switch
Diagnostic monitor program
DataTrak™ remote communications
Open trailer door shutdown switch
Fuel tanks (aluminum)
Remote 30 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

Accessories and Options (continued):

Basic Stealth noise reduction package
Full bottom panel
Stud post battery terminals
Impact protection bumpers
Microprocessor protection bumper
105-amp alternator
Air cleaner indicator
*Unit must be equipped with DataLink option

Approximate Weights:

NDL93E 1,605 lb. (728 kg)
30-gal. aluminum fuel tank 56 lb. (25 kg)
50-gal. aluminum fuel tank 65 lb. (29 kg)
Battery 50 lb. (23 kg)

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

Evaporator Return Air Temperature	Btuh	Watts
35°F (2°C)	51,000	14,947
0°F (-18°C)	32,000	9,378
-20°F (-29°C)	18,500	5,422



Carrier Transicold participates in the ARI rating certification program.

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

A United Technologies Company

Carrier Transicold Division
Carrier Corporation
Truck/Trailer North America
P.O. Box 4805
Syracuse, NY 13221 USA
www.trucktrailer.carrier.com

©2003 Carrier Corporation
Printed in USA 0103
Form 62-10675 Rev. A

Synthetic oil
Top grille
Silicone hoses
Custom color paint
Remote light bar
Remote temperature probe*
Full Stealth™ noise reduction package