



VECTORTM 8500

Single-Temperature Trailer Refrigeration Unit



**THE ORIGINAL ALL-ELECTRIC REFRIGERATION SYSTEM
DELIVERING RELIABILITY, EFFICIENCY AND VALUE.**



Model 8500 shown with chrome grille/
stainless latch option.

Condenser Dimensions

76.4" x 85.7" x 22.8"
(1,940 x 2,176 x 579 mm)

Evaporator Dimensions

66.3" x 45.2" x 8.2"
(1,684 x 1,149 x 208 mm)

Body Opening

66.8" x 46.0" (1,696 x 1,168 mm)

Approximate Weights

1,810 lb. (820 kg) including electric standby
Remote 50 gallon aluminum fuel tank with
mounting brackets: 65 lb. (29 kg)
Battery: 50 lb. (23 kg)

Cooling Capacity:

Ambient at 100°F (38°C)

Evaporator Return Air Temp.	High Speed Diesel Operation or Electric Standby Operation	
	BTU/hr	Watts
35°F (2°C)	58,000	16,998
0°F (-18°C)	33,500	9,818
-20°F (-29°C)	22,000	6,594

Evaporator Airflow

Applied system performance:
3,100 cfm (5,270 m3/hr)

E-DRIVE™

E-Drive™ technology. Carrier's innovative hybrid design combines a diesel engine and direct-driven generator to deliver high reliability and low lifecycle cost.

Exceptional reliability. The platform's all-electric refrigeration system architecture has been refined and proven year after year.

Lower cost of ownership.

By eliminating most moving parts, we've reduced maintenance requirements, optimizing uptime.

Standard Features Include:

- Tier 4 Final V2203L smart diesel engine
- 4 cylinder 2.2 liter direct-injection
- 24.4 HP (18.2kW) at 1,800 RPM high speed
- CAN bus electronic interface
- 15 qt. (14.2 liter) oil capacity
- Direct driven high output 21 kVA generator
- High power 40 amp battery charger
- ESI™ (Extended Service Interval) package
- 3,000 hour service interval
- Multistage, synthetic media oil filter
- Water separating fuel filter
- Heavy duty, low noise dry air cleaner
- Extended life coolant
- Fully hermetic electric scroll compressor
- Refrigerant R-452A, 14 lbs (6.3 kg)
- TRU-DEMAND™ high energy efficiency
- Electronic expansion valve
- Compressor economizer system
- Electronic suction modulation
- Brazed plate heat exchanger
- Automatic start/stop fuel saver
- Electric heating and defrost system
- High efficiency microchannel condenser
- Maintenance free AC fan motors
- V-Force™ vortex suppression fans
- Lynx Fleet™ telematics platform for remote monitoring and control
- APX™ Control System
- IntelliSet™ with ProductShield™
- Information dashboard
- Multilingual graphical display
- Pretrip and Virtual Tech diagnostics
- Integrated USB port

eco 4FORWARD™

ecoFORWARD™ technologies.

Designed for high efficiencies that deliver significant fuel savings, lower operating costs and compliance with EPA Tier 4 emissions regulations.

Intelligent operation. Vector™ units have the unique ability to turn components on when they're needed, and off when they're not.

Built-in electric standby. Cuts fuel consumption, noise, emissions and operating costs.

Standard Features (continued):

- Electric standby
- 460V/3ph/60Hz
- Automatic phase reversal
- TurboAir™ evaporator management
- Composite doors
- Single latch release
- Stealth™ 2 noise reduction package
- Installation package
- Screw post battery terminals
- Remote aluminum fuel tank
- 50 gal. single fill, 22"
- Remote light bar

Accessories and Options:

- Flex Power™ dual 230V/460VAC standby
- Open trailer door indicator and shutdown switches
- Fuel heater
- Evaporator drain line extensions
- Premium ECR hoses
- APX Remote Control Panel
- Remote temperature probes
- Unit impact protection bumpers
- 40 amp auxiliary load battery charger
- Extra heavy duty suction side fuel filter
- Fuel tank level and shutdown sensor
- Chrome grille/stainless latch package
- Custom color paint
- AutoFresh™ air exchange
- Remote aluminum fuel tanks:
 - 30 gal. or 75 gal. single fill, 22"
 - 100 gal. single or double fill, 22"
 - 120 gal. single or double fill, 22"



Specifications are subject to change without notice.

Warranty: Product warranty and limitations are outlined in Form 62-11671.

This warranty is applicable only in North America. Consult your Carrier Transicold representative for warranty coverage elsewhere. Form 62-11664 Rev J.

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