



VECTORTM 8200

Single and Multi-Temperature Trailer Refrigeration Units

HIGH CAPACITY, EFFICIENT ENERGY MANAGEMENT, NO DIESEL EMISSIONS.
The environmentally sound solution for cold storage.



VECTOR[™] 8200



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 Weight

1,150 lb. (520 kg)

Battery: 50 lb. (23 kg)

Cooling Capacity

Ambient at 100°F (38°C)

Evaporator Return Air Temp.	Electric 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)

Remote Evaporator Specifications

Remote Evaporator	Airflow (cfm)	Weight (lb/kg)
Half-width, dual air discharge	1,350	129 (58)
Full-width, dual air discharge	2,470	239 (108)
Half-width, single air discharge	1,200	115 (52)
Full-width, single air discharge	2,350	220 (100)

PERFORMANCE SPECIFICATIONS

The Vector[™] 8200 all-electric, engineless refrigeration unit with single and multi-temperature capabilities for stationary trailer cold storage, uses electricity from the grid or other external power sources, eliminating fuel consumption, emissions, noise and operating costs associated with a diesel-powered engine and generator.

TRU-Demand E-Drive[™] energy management system: monitors the power draw and adjusts to changes in a facility's electrical supply, maintaining voltage during brownout conditions and preventing grid strain when multiple units restart after power outages.

Exceptional cooling capacity: The Vector 8200 delivers up to 58,000 BTU/hr at 35°F, ensuring reliable temperature control for sensitive cargo. It also provides electric heating and defrost.

Advanced APX[™] controls: Features IntelliSet[™] technology with ProductShield[™] for precise temperature management.

Lynx Fleet[™] telematics integration: Provides comprehensive fleet intelligence and monitoring capabilities.

Engineered for reliability: The Vector 8200 features a fully hermetic electric scroll compressor, high-efficiency microchannel condenser, maintenance-free AC fan motors and an electronic expansion valve. Options include a high-power 40-amp battery charger and a TRU-mounted solar charging system.

Configuration versatility: Four remote evaporator choices provide the flexibility to cool one, two- or three-compartment trailers.

Standard Features Include:

- Electric operation
 - 460VAC/30/60Hz
 - Automatic phase reversal
- High power 40 amp battery charger
- Fully hermetic electric scroll compressor
- Refrigerant R-452A,
 - Single Temp charge = 14 lb. (6.4 kg)
 - Multi Temp charge = 18 lb. (8.2 kg)
- TRU-DEMAND[™] high energy efficiency
- Electronic expansion valve
- Compressor economizer system
- Electronic suction modulation
- Brazed plate heat exchanger
- Automatic start/stop
- Electric heating and defrost system
- High efficiency microchannel condenser
- Maintenance-free AC fan motors
- Vortex suppression fans
- 27W TRU-Mount Solar Charging System
- Lynx Fleet[™] telematics platform
 - Providing TRU IQ for your fleet
- APX[™] Control System
 - IntelliSet[™] with ProductShield[™]
 - DataLink[™] data recorder
 - Information dashboard
 - Multilingual graphical display
 - Pretrip and Virtual Tech diagnostics

- Integrated USB port
- TurboAir[™] evaporator management
- Composite doors with single latch release
- Screw post battery terminals
- Remote light bar

Accessories and Options:

- Open trailer door indicator and shutdown switches
- Evaporator drain line extensions
- Remote temperature probes
- Upper/Lower/Intermodal Bumper Packages
- 40 amp auxiliary load battery charger
- APX Remote Control Panel
- Remote evaporator supply air sensor (display only)
- Chrome grille/stainless latch package
- Custom color paint

Warranty: Product warranty and limitations are outlined in Form 62-12371.

This warranty is applicable only in North America. Consult your Carrier Transicold representative for warranty coverage elsewhere. Form: 62-12377 Rev. A.

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