



VECTOR™ Rail Edition **8500R**



UNMATCHED RELIABILITY, EFFICIENCY AND DURABILITY. BUILT TO HANDLE THE RIGORS OF INTERMODAL AND RAIL DUTY.

VECTOR[™] 8500R Rail Edition



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

1,815 lb. (823 kg) including electric standby
Remote 50 gallon aluminum fuel tank with
mounting brackets: 65 lb. (29 kg)
Battery: 50 lb. (23 kg)

Cooling Capacity

Evaporator Return Air Temp.	High Speed Diesel 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

Ambient at 100°F (38°C)
Speed: 1,200 RPM diesel /60Hz electric standby

Evaporator Air Flow

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

PERFORMANCE SPECIFICATIONS

Vector Rail Edition. Carrier Transicold understands the complexities of the rail business. Unattended service requires exceptional reliability and dependability. The Vector rail edition is engineered for durability and tested to withstand the rigors of intermodal and rail duty.

Innovative Vector Platform. Offers advances in every key category that affects your business. Lower fuel consumption. Reduced maintenance cost. Cleaner emissions. Lower noise. And most important, total lower cost of ownership.

APX Control System. Provides the ideal balance between technology and convenience. It combines future-forward technology with a people-friendly design. The result is remarkable control intelligence and system reliability with amazingly simple operation.

Nationwide support network. More than 180 Carrier Transicold authorized dealers available throughout North America with experience and expertise to provide safe, reliable service wherever needed.

RailCare™ Warranty. Includes travel time and repair setup for on-site assistance.

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 lb. (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™ application with ProductShield™
- Information dashboard
- Multilingual graphical display
- Pretrip and Virtual Tech diagnostics
- Integrated USB port

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 light bar
- Anti-theft battery bracket
- Premium ECR hoses
- Extra heavy duty suction side fuel filter

Accessories and Options:

- Flex Power™ dual 230V/460VAC standby
- Open box door indicator and shutdown switches
- Fuel heater
- Evaporator drain line extensions
- APX Remote Control Panel
- Remote temperature probes
- Intermodal bumper package
- 40 amp auxiliary load battery charger
- Fuel tank level and shutdown sensor
- Chrome grille/stainless latch package
- Custom color paint
- AutoFresh™ air exchange option
- Remote aluminum fuel tanks:
 - 30 gal., 50 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 62-12090 Rev D.

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