



**VECTOR**<sup>™</sup>  
**8700R**

Rail Edition Trailer Refrigeration Unit



**PREMIUM PERFORMANCE FOR GREATER  
FUEL EFFICIENCY AND SUSTAINABILITY.  
BUILT TO HANDLE THE RIGORS OF  
INTERMODAL AND RAIL DUTY.**

# VECTOR<sup>™</sup> 8700R

## PERFORMANCE SPECIFICATIONS



### 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

1,815 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:

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 m<sup>3</sup>/hr)

**E-Drive™ technology.** Innovative hybrid design uses a new smart engine to drive the generator powering its all-electric refrigeration system, resulting in better fuel economy and performance.

**Enhanced compliance.** Reduced emissions that surpass EPA Tier 4, and lifetime compliant with California Air Resources Board (CARB) requirements without the need for future exhaust systems. Sustainability enhanced with R-452A, a lower global warming potential refrigerant.

**Ultra-high efficiency.** Provides 10% greater fuel efficiency than its standard counterpart, thanks to its three-speed engine with common-rail fuel injection.

**Reduced maintenance and exceptional reliability.** Fewer moving parts, which reduces maintenance requirements, optimizing reliability and uptime.

**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 V2403L smart diesel engine  
4 cylinder 2.4 liter direct-injection  
24.4 HP (18.5kW) 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  
Braze 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™  
DataLink™ data recorder  
Information dashboard  
Multilingual graphical display  
Pretrip and Virtual Tech diagnostics  
Integrated USB port

### Standard Features (continued):

Electric standby  
460V/30/60Hz  
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

### Accessories and Options:

Flex Power™ dual 230V/460VAC standby  
Open box door indicator and  
shutdown switches  
Fuel heater  
Evaporator drain line extensions  
Intermodal side exhaust  
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, 50, or 75 gal. single fill, 22"  
100 gal. single or double fill, 22"  
120 gal. single or double fill, 22"

**APX<sup>™</sup>**  
CONTROL SYSTEM



[www.carrier.com/ecoforward](http://www.carrier.com/ecoforward)



[www.trucktrailer.carrier.com](http://www.trucktrailer.carrier.com)

Specifications are subject to change without notice.

Warranty: Product warranty and limitations are outlined in Form 62-11672.

This warranty is applicable only in North America. Consult your Carrier Transicold representative for warranty coverage elsewhere. Form 62-12322

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