



VECTOR[™] **86IIMT**

Multi-Temperature Trailer Refrigeration Unit



**INNOVATIVE DESIGN CREATES TWO
TEMPERATURE COMPARTMENTS TO DIVIDE
AND CONQUER REFRIGERATED HAULS.**



Rear view without back panel.

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

1,925 lb. (873 kg) including standard electric standby
Remote 50 gal. aluminum fuel tank with mounting brackets: 65 lb. (29 kg)
Battery: 50 lb. (23 kg)

Evaporator Return Air Temp.	High Speed Diesel or Electric Standby Operation	
	BTU/hr	Watts
35°F (2°C)	53,000	15,533
0°F (-18°C)	31,000	9,085
-20°F (-29°C)	21,000	6,154

Cooling Capacity

Ambient at 100°F (38°C)
High Speed: 1,800 RPM

Evaporator Airflow

Applied system performance:
2,800 cfm (4,757 m³/hr)

Remote evaporator may be added for three compartment configurations. See dealer for details.

Innovative dual-evaporator design. Designed for trailers split lengthwise with a center dividing wall, the unit creates two refrigerated compartments without requiring a remote evaporator.

Optimum flexibility. Unlike competitive systems, it provides 15 inches of center wall placement flexibility for more efficient pallet accommodation and up to 17 percent more cargo.

E-Drive™ technology. All-electric refrigeration system lets unit independently manage both zones more efficiently than mechanically interconnected competitive dual-discharge systems.

Streamlined design. Eliminates check and solenoid valves resulting in fewer braze joints than competitive models. Other system advantages include independent air control, damperless defrost and consistent all-electric heating.

High efficiency. Delivers high airflow, fast pulldown and low fuel consumption.

Standard Features Include:

EPA 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, 16 lb. (7.2 kg)
TRU-DEMAND™ energy management logic:
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
Vortex suppression fans
Lynx Fleet™ telematics platform for remote monitoring and control
APX™ control system
IntelliSet™ and ProductShield™
Information dashboard
Multilingual graphical display
Pretrip and Virtual Tech™ diagnostics
Integrated USB port

A) Two equal temperature compartments.



B) Flexible center wall placement and optional three-compartment arrangement (dry, or cooled via remote evaporator).



Standard Features (continued):

Full Bottom Panel
Electric standby
460V/3ph/60Hz
Automatic phase reversal
Composite doors with 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:

Open trailer door indicator and shutdown switches
Fuel heater
Evaporator drain line extensions
Premium ECR coolant hoses
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)
Flex Power™ dual 230V/460VAC standby
Extra heavy-duty fuel filter w/ fuel heater
Fuel tank level and shutdown sensor
Chrome grille/stainless latch package
Custom color paint
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 62-11709.
This warranty is applicable only in North America. Consult your Carrier Transcold representative for warranty coverage elsewhere. Form 62-12097 Rev E.

North America
Carrier Transcold
700 Olympic Drive
Athens, GA 30601 USA

Central America and Mexico
Carrier Transcold
Ejército Nacional 253-A Piso 5
Colonia Anahuac
11320 Mexico D.F.

