



VECTOR[™]
8700

Single-Temperature Trailer Refrigeration Unit



**PREMIUM PERFORMANCE FOR GREATER
FUEL EFFICIENCY AND SUSTAINABILITY
IN AN ALL-ELECTRIC REFRIGERATION SYSTEM.**

VECTOR™ 8700

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

1,810 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™ 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.

Intelligent operation. A unique ability to turn components on when needed and off when not.

Built-in electric standby. Cuts fuel consumption, noise, emissions and operating costs when the unit is stationary and plugged into a power source.

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
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™
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
Premium ECR hoses
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 voltage standby
Open trailer door indicator and
shutdown switches
27W TRU-Mount Solar Charging System
Fuel heater
Evaporator drain line extensions
APX Remote Control Panel
Remote temperature probes
Unit impact protection bumpers
40 amp auxiliary load battery charger
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"

APX™
CONTROL SYSTEM

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 62-12244

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