

2013 Tier 4  
Compliant



# VECTOR™ 8500

Unmatched reliability, efficiency and value.  
The Vector 8500. Simply first. Simply better.



# PERFORMANCE SPECIFICATIONS

## VECTOR™ 8500



Model 8500 shown with chrome grille/stainless latch option.

### 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 280 mm)

### Body Opening

66.8" x 46.0" (1,696 x 1,168 mm)

### Approximate Weight

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 or Electric Standby Operation	
	BTU/hr	Watts
35°F ( 2°C)	60,000	17,585
0°F (-18°C)	35,000	10,260
-20°F (-29°C)	24,000	7,035

### Evaporator Airflow

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



**E-Drive™ technology.** This patented hybrid design from Carrier combines a diesel engine, direct-driven generator and patented electric technology to deliver the highest reliability and lowest life-cycle cost in its class.

**Unmatched reliability.** The platform's all-electric refrigeration system architecture has been refined and proven for more than a decade.

**Lowest cost of ownership.** By eliminating most moving parts, we've reduced maintenance requirements, offering unprecedented reliability and uptime.

### Standard Features Include:

- Tier 4 Final V2203L smart diesel engine
- 4 cylinder 2.2 liter direct-injection
- 24.8 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-404A, 14lbs (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
- Condenser coil hail/bug guard
- APX™ Control System
- IntelliSet™ with ProductShield™
- DataLink™ data recorder
- Information dashboard
- Multilingual graphical display
- Pretrip and Virtual Tech diagnostics
- Integrated USB port
- DataTrak™ remote communications

**EcoFORWARD™ technologies.** System refinements for ultra high efficiencies deliver significant fuel savings, lower operating costs and compliance with 2013 EPA emissions regulations.

**Intelligent operation.** Vector™ units have the unique ability to turn components on when they're needed, and off when they're not.

**Electric standby.** Standard with Vector units, this feature cuts fuel consumption, engine noise and emissions, while boosting operational savings.

### Standard Features continued:

- Electric standby
- 460V/3PH/60Hz
- Automatic phase reversal
- TurboAir™ evaporator management
- Two composite doors
- Single latch release
- Stealth 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 hoses
- Remote temperature probes
- Unit impact protection bumpers
- 40-amp auxiliary load battery charger
- Flex Power™ dual voltage standby
- Extra-heavy-duty suction side fuel filter
- Fuel tank level and shutdown sensor
- Door locks
- 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"



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 Transcold representative for warranty coverage elsewhere. Form 62-11664 Rev. E.

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