

2013 Tier 4
Compliant



VECTOR™ 8500

United Technologies

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	
	Btuh	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
- Durashell™ 2 composite doors
- Single latch release
- Stealth noise reduction package
- Installation package
- Screw-post battery terminals
- Remote aluminum fuel tank
- 50-gal. single fill – 22"

Accessories and Options:

- Open trailer door indicator and shutdown switches
- Fuel heater
- Evaporator drain line extensions
- Premium ECR hoses
- Remote light bar
- Remote temperature probes
- Unit impact protection bumpers
- Microprocessor impact protection bumper
- 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 applicable only in North America. Consult your Carrier Transcold representative for warranty coverage elsewhere. Form 62-11664 Rev. B.

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