

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
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
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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