



**VECTOR 8500**

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



# PERFORMANCE SPECIFICATIONS

## VECTOR 8500



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, 13lbs (5.9 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



**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 Transicold representative for warranty coverage elsewhere. Form 62-11664.

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