



VECTOR™ 1800 MT



Introducing the ultimate multi-temperature trailer refrigeration system, featuring exclusive DELTEK™ hybrid diesel-electric technology.

VECTOR 1800 MT



Performance and reliability you won't find in any other hybrid multi-temp. There isn't one.



The Vector™ 1800 MT is built with you in mind. It combines unparalleled Carrier Transicold experience in multi-temperature refrigeration with unmatched reliability from DELTEK™ hybrid diesel-electric technology.

You can expect Vector 1800 MT to deliver value every day. Lifecycle cost is reduced because maintenance and operating costs are lower. Uptime is increased. And you save even more by using built-in electric standby to reduce fuel consumption at the loading dock.

Vector 1800 MT is a product of remarkable simplicity and operating efficiency. We've eliminated the hot-gas circuit, reduced the refrigerant charge by almost 50%, and sealed the

refrigeration system, including the compressor. Simplified design achieves dramatic results: fewer parts, lower maintenance, extended service intervals, easier service, reduced wear, and longer life.

And Vector 1800 MT is a model of versatility. Matched with Carrier single- and dual-discharge remote evaporators, it offers 11 trailer configurations.

Advanced features for advanced performance.

Vector 1800 MT brings you standard features that aren't available as options on other multi-temp equipment. These features, including the Advance™ microprocessor, add up to superior product protection and bottom-line results.

Durability and reliability.

- Game-changing DELTEK hybrid technology.
- Reduced maintenance items, including shaft seals, belts, pulleys, and vibrasorbbers.
- Eliminated hot-gas refrigeration circuit.

Superior product protection.

- 54,000 Btuh host unit cooling capacity.
- Constant electric heating capacity.
- Faster pulldown and temperature recovery.

Maximum value.

- Built-in data recorder.
- Electric and diesel operation standard.
- 30% lower maintenance costs.
- Ease of service.

Environmentally sound.

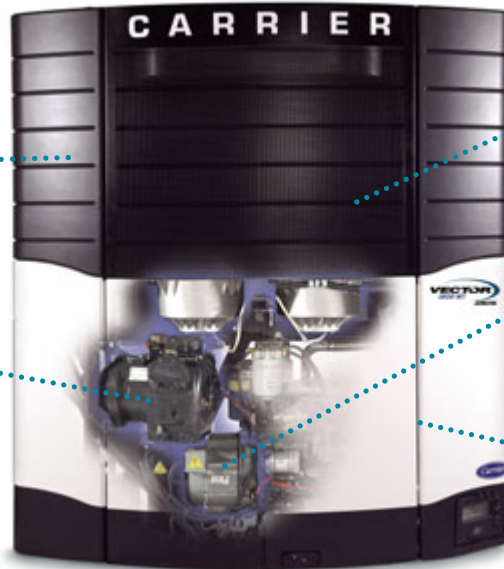
- Built-in standby capability.
- Improved sound quality.
- Reduced refrigerant charge.
- Sealed refrigeration circuit.



- DATA RECORDER
- MESSAGE CENTER
- INTELLISET/PRODUCT SHIELD
- PINPOINT DIAGNOSTICS



Vector. It runs on diesel. It runs on electric.
It runs circles around conventional systems.



Electric condenser and evaporator fans.

Eliminate gearbox, fan shaft, belts, and pulleys to reduce maintenance cost while providing maximum airflow and improved sound quality.

Electric 06D semi-hermetic compressor.

High-capacity, six-cylinder sealed compressor requires no shaft seal and runs on generator or standby power.

Electric heat.

Allows use of cool-only refrigeration system while providing constant heating capacity in all ambient temperatures for superior product protection.

Aircraft-quality generator.

Industry-proven design eliminates many mechanical maintenance items to maximize performance and reduce cost of ownership.

DELTEK diesel-electric technology.

Exclusive hybrid operation combines a diesel engine and generator with patented electric technology in a sealed cooling-only refrigeration system.

DELTEK has fewer parts. And more to like.



Patented DELTEK hybrid diesel-electric technology, exclusively from Carrier Transicold, is a radical departure from conventional mechanical refrigeration. It uses an electric generator to power all components, including the compressor and fans. This eliminates many maintenance items, increases reliability, performance, and value, while reducing emissions and noise.

VECTOR MULTI-TEMP	CONVENTIONAL MULTI-TEMP
Generator	Hot gas solenoid
Heater bars	Liquid return check valve
Condenser fan motors (host)	Suction line check valve
Evaporator fan motors (host)	Suction line solenoid
Battery charger	Condenser inlet check valve
	Receiver tank pressure switch
	Condenser check valve
	Condenser inlet solenoid
	Rear liquid return check valve
	Rear suction line solenoid
	Rear hot gas solenoid
	Suction vibrasorber
	Discharge vibrasorber
	Gearbox
	Fanshaft
	Clutch
	Damper assembly
	Drive belts
	Idler pulleys
	Compressor shaft seal
	Alternator

PERFORMANCE SPECIFICATIONS

VECTOR™ 1800 MT



Condenser Dimensions

80.7" x 87.6" x 16.9"
(2,050 x 2,226 x 430 mm)

Evaporator Dimensions (Host Unit)

66.1" x 45.2" x 3.8"
(1,680 x 1,147 x 96 mm)

Body Opening

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

Approximate Weight

2,062 lb (935 kg)

Cooling/Temperature Capacity:
Ambient at 100°F (38°C)
Speed: 1,800 rpm diesel

Evaporator Return Air Temp.	Diesel Operation	
	Btuh	Watts
35°F (2°C)	54,000	15,827
0°F (-18°C)	32,000	9,379
-20°F (-29°C)	20,500	6,008

Standard Features Include:

- 2.2 liter direct-injection diesel engine
- Aircraft-quality generator
- 06D semi-hermetic compressor
 - 6-cylinder (41CID)
- Electric heating and defrost system
- Return and supply air sensors
- High-performance oil filter
- Advance™ microprocessor control system
- Electronic stepper valve
- Auto Start/Stop
- DataLink™ data recorder
- ESI™ extended service interval package
- Installation package
- 50-gallon aluminum fuel tank
- Refrigerant R-404A
- Electric standby 460V/3PH/60Hz
- Composite skins
- Heavy-duty dry-type air cleaner
- Screw-post battery terminals
- Electronic expansion valve
- Maintenance-free A/C fan motors
- DELTEK™ hybrid diesel-electric technology
- Integrated sound abatement

Accessories and Options:

- DataTrak™ remote communication
- IntelliSet™
- Door switches
- Remote panels
- Ultra-low noise
- Bottom panel
- Lift gate battery charger
- Fuel heater
- Special fuel tanks
- Remote light bar



Single and dual-discharge evaporators.



11 standard configurations are available. Other configurations are available on request.

