



VECTOR™ 5100

High capacity, efficient energy management, no diesel emissions.
The Vector™ 5100 system: The new direction in cold storage solutions.



PERFORMANCE SPECIFICATIONS

VECTOR™ 5100



The Vector 5100 system is the new direction in financially and environmentally sound cold storage solutions. This all-electric unit eliminates the noise, emissions, and fuel consumption associated with traditional diesel cold storage units. Plus, the standardized wide-post unit mounting makes it an easy fit for retrofitting to older trailers. The Vector 5100 system offers high reliability, next-generation efficiency savings, and an energy management system that adjusts to changes in your electrical supply.

Next generation components for best-in-class reliability and performance. Exclusive high efficiency Novation™ condenser coil, low noise V-Force™ vortex suppression condenser fans, a more efficient semi-hermetic compressor, and damage-resistant Durashell 2 composite skins.

High performance system featuring a cool-only refrigeration system that eliminates the compressor shaft seal and many brazed joints, significantly reducing the chance of refrigerant leaks. Electric heating produces maximum heating and quick defrosts regardless of the outdoor ambient temperature.

TRU Demand™ digital energy management logic monitors and efficiently regulates power draw to save energy costs. The maximum current draw may also be adjusted to regulate power draw from electrical infrastructure. Programmable economy settings provide optimal balance between electrical power savings and precision temperature control accuracy.

Built-in brown out protection keeps the unit running during low voltage conditions by monitoring current draw and automatically adjusting its operation. In the event of an outage, stagger starting logic avoids a massive draw on the grid by preventing multiple units from starting simultaneously when the power returns.

Advance™ microprocessor controller features multi-language capability, keypad lockout to prevent unauthorized changes or tampering, IntelliSet™ commodity profiling and economy option, integrated data recorder, integrated diagnostics, hour meters, and exclusive PC card upgrades.

EcoDriven™ features deliver environmentally sound solutions. An all-electric architecture specifically designed for stationary cold storage provides a superior solution to traditional diesel units. The Vector 5100 system has no diesel engine emissions, a lower carbon footprint, and offers an extremely quiet solution for operations with residential neighbors sensitive to diesel engine noise.

Condenser Dimensions

76.4" x 87.0" x 22.8"
(1,940 x 2,209 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

Vector 5100: 1,320 lb (600 kg)

Cooling/Temperature Capacity:

Ambient at 100°F (38°C)

Evaporator Return Air Temp	Standby Operation	
	Btuh	Watts
35°F (2°C)	59,000	17,290
0°F (-18°C)	36,000	10,550
-20°F (-29°C)	23,000	6,740

Standard Features Include:

Electric standby 460V/3Ph/60Hz.
Automatic phase reversal
Auto reset overload/GFI
06D semi-hermetic compressor
41CFM displacement
6 cylinders
Compressor unloaders
Refrigerant R-404A
Electronic suction modulation
Electronic expansion valve
High efficiency Novation™ condenser coil
Condenser coil hail/bug guard
Maintenance-free AC fan motors
TurboAir™ management system
Electric heating and defrost system
Automatic start/stop energy saver
Durashell 2 composite doors
Single latch release
Wide post mounting
Brown-out protection
Stagger starting logic
Programmable power management

Standard Features continued:

Advance™ microprocessor
DataLink™ data recorder
MessageCenter™ display
Multi-lingual display
Advanced pretrip and diagnostics
PCMCIA card interface
IntelliSet™ with ProductShield™
Installation package

Accessories and Options:

DataTrak™ remote communications
Open trailer door indicator and shutdown switch
Evaporator drain line extensions
Remote LED light bar
Remote temperature probe
Unit impact protection bumpers
Microprocessor protection bumper
Chrome grille/stainless latch package
Full bottom panel
Custom color paint
Flush mount remote control panel



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