



performance proven **VACUUM SOLUTIONS™**

Phone: 1 (414) 247 7100

Fax: 1 (414) 247 7110

Web Site: www.vector-vacuums.com

E-Mail: sales@vector-vacuums.com

Mini -VecLoader® Vacuum Series 1,340 – 1,970 CFM/ 16 -28” Hg/50 - 100 Horsepower Versatile Industrial Vacuums with Exceptional Power

The Mini-VecLoader is completely self-contained so it vacuum and directly discharge wet or dry product into a truck, dumpster or other collection device, without complicated setup and with only minimal maintenance. VecLoader's remain on the job full time without the dumping, shoveling, hoisting, and other multiple handling generally required with vac trucks or other vacuum systems.



Mini VecLoader in Stowed Position



Partially raised Mini VecLoader over hopper

Mini
VecLoader

Length
16' 1"
Width
7' 2"
Stowed
Height
10' 0"
Weight
8,100#



Standard
VecLoader

Length
17' 5"
Width
8' 1/2"
Stowed
Height
11' 2 1/2"
Weight
10,200#

Size Comparison, Mini-VecLoader versus Standard VecLoader



Mini-VecLoader Loading into a Dump Truck

**Vacuums * Hydro Blast Systems * Vacuum and Hydro Excavation Systems * Classifiers
* Blast and Recovery Systems * Spill Response Systems * Parts * Rentals * Service * Solutions**

Toll Free 1(800) 832 4010

DELIVERING MORE EFFICIENCY, FLEXIBILITY AND POWER

VECTOR TECHNOLOGIES LTD. / 6820 North 43rd Street / Milwaukee, Wisconsin USA 53209-2215
Toll Free: (800) 832-4010/ Phone 1 (414) 247-7100/ Fax 1 (414) 247-7110/ Web: www.vector-vacuums.com



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MINI VECLOADER VACUUMS® Standard Diesel Specifications			
Models:	Mini VecLoader 100	Mini VecLoader 80	Mini VecLoader 50
Maximum CFM/Hg:	1,340/28"	1,970/16"	1,340/16"
Standard Engine:	100 Hp Deere Turbo Diesel	80 Hp Deere Turbo Diesel	55 Hp Deere Diesel
Primary Filtration:	Coated bags pulse air cleaned	Coated bags pulse air cleaned	Coated bags pulse air cleaned
Secondary filter for blower protection:	Pleated cartridge	Pleated cartridge	Pleated cartridge
Maximum Hose Diameter:	4" inlet	5" inlet	4" inlet
Dimensions (L, W, H):	16' 1", 7' 2", 10' 0"	16' 1", 7' 2", 10' 0"	16' 1", 7' 2", 10' 0"
Weight:	8,100#	8,100#	7,400#
Maximum Conveying Distance:	1,200'	600'	600'
Maximum Performance/Bulk:	7 tons/hr.	8 tons/hr.	6 tons/hr.
Maximum Performance/Liquid:	100 gallons/min.	150 gallons/min.	100 gallons/min.

Options and alternative packages:

Power: Diesel, electric, L.P., explosion resistant. **Mounting:** Road legal trailer, all terrain, skid, truck, crane.

Unloader valves: Double dump, gravity, rotary airlock, and cutter valve.

Filtration: HEPA, nuclear, carbon, product specific. **Options and Accessories:** Sound Enclosures, Cyclone drum fillers, intermediate hoppers and separators, bagging stations, vacuum hose, specialty nozzles, early warning shut downs, and engineered solutions.

The Mini-VecLoader is a versatile trailer-mounted industrial vacuum loader that never needs to be removed from the vacuuming site for dumping. Minis can be used for vacuuming coal, ash, dirt, dust, sand, stone, water and slurry utilizing a four-inch diameter hose or multiple smaller diameter hoses. Minis offer rugged construction and powerful performance at a cost that allows a quick return on investment. The trailer, along with vacuuming hose and accessories, can be moved by a 3/4-ton truck. Stationary and skid mounted systems are also available.

Specifications subject to change without notice so that improvements can be made as quickly as possible.

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Specifications: Mini-VecLoader® 50 Industrial Vacuum Loader (Diesel)

The **Mini-VecLoader® 50** is a versatile trailer-mounted industrial vacuum, which never needs to be removed from the work site for dumping. Minis come in several power ranges and can be utilized for vacuuming activated carbon, coal, ash, dirt, dust, sand, stone, water and slurry using a four-inch diameter hose or multiple smaller diameter hoses. Having the same design features as larger VecLoaders, Minis offer rugged construction and powerful performance at an affordable price. Minis, with vacuuming hose and accessories, can be moved by a ½ ton truck. Stationary and skid mounted systems; as well as electric models are available.

Vacuum Pump:	Roots/Dresser Model 412 RCSJ Whispair, rotary lobe positive displacement blower.
Maximum Ratings:	1,340 CFM and 16" Hg static pressure.
Performance:	Using a four-inch hose, bulk dry materials will load up to 5-7 tons per hour/or at distances up to 600 feet. Water will load up to 100 gallons per minute.
Engine:	John Deere 4024 Turbo Diesel with locking engine enclosure. (L.P. and electric is available).
Rating:	4-cylinder; liquid cooled; turbo charged; 55 (intermittent) HP @ 3,100 RPM; 122 in ³ displacement.
Specifications:	Belt drive through Rockford PTO; variable operating speeds between 1,000 to 3,000 RPM; mechanically governed; 12 volt starter, and 40 AMP alternator with internal regulator; 15"/5 blade pusher fan, mounted on water pump; dry type air cleaner.
Control Panel:	Key start, temperature gauge, oil pressure gauge, ammeter, tachometer, air pressure gauge, and hour meter. High temperature and low oil pressure safety shutdowns, clutch engage/disengage control switch, pulse timer, vacuum timer and emergency stop.
Fuel/Oil:	Fuel- #2 Diesel, 50 gallon capacity, approximate run time 8 hours; oil - 4.1 qt. capacity with filter.
Compressor:	5.5 ACFM with air reservoir.
Vacuum Gauge:	0 - 30" Hg, glycerin filled
Collector Unload:	Collector raises to a maximum height of 8'-6", centerline 6'-0" from the rear edge of the trailer. Controls are included for automatic, cyclical discharge of collected materials. When the cyclone collector is in raised position, it is upheld by rigid support arms. Discharge is flanged to accept standard flanged gravity spout and other optional discharge valves.
Cyclone/Baghouse:	Cyclone collector with 1/2 cubic yards (175 gallons) capacity. The cyclonic baghouse contains 90 ft ² continuously cleaned by reverse air pulses during the pulse cycle. The pulsing of the bags is controlled by a pressure switch and solenoid valves. A magnehelic gauge shows the differential pressure drop across filters.
Added Filtration:	185 square feet of pleated cellulose microfiltration on the blower, providing final filtration and blower protection. H.E.P.A. filtration is optionally available.
TRAILER:	Fully road-ready with tandem 5,200 pound axles, electric brakes, hand-operated parking brake, jack for raising and lowering the trailer tongue, all lights for legal night highway operation, ball or eye-type hitch, radial tires mounted on six lug spoke rims. Length: 16'-1", Width: 7'-2", Height: 10'-0", Weight: 7,900 Lbs.

Specifications subject to change without notice so that improvements can be made as quickly as possible.

Manufactured, warranted and serviced by Vector Technologies Ltd., Milwaukee, Wisconsin. For over 30 years, Vector has been a leading innovator of hazardous and non-hazardous material handling equipment. The Mini-VecLoader line offers the same level of quality, innovation, reliability and field tested features that have made Vector vacuums the standard for reliability and performance in the a wide assortment of industrial markets. Mini-VecLoaders carry a six-month warranty backed by Vector Technologies and its elite roster of suppliers. Contact Vector Technologies at 1 (800) 832-4010 or 1 (414) 247-7100 or fax 1 (414) 247-7110. Also see our Web site at www.vector-vacuums.com for more information.

January 15, 2007



Specifications: Mini-VecLoader® 100 Industrial Vacuum Loader (Diesel)

The **Mini-VecLoader® 100** is a versatile trailer-mounted industrial vacuum, which never needs to be removed from the work site for dumping. Minis come in several power ranges and can be utilized for vacuuming activated carbon, coal, ash, dirt, dust, sand, stone, water and slurry using a four-inch diameter hose or multiple smaller diameter hoses. Having the same design features as larger VecLoaders, Minis offer rugged construction and powerful performance at an affordable price. Minis, with vacuuming hose and accessories, can be moved by a ½ ton truck. Stationary and skid mounted systems; as well as electric models are available.

- VACUUM PUMP:** Roots/Dresser Model 412 DVJ Whispair, rotary lobe positive displacement blower.
- PUMP RATINGS:** Maximum ratings of 1,340 CFM and 28" Hg.
- PERFORMANCE:** Using a four-inch hose, bulk dry materials will load up to 5-8 tons per hour/or at distances up to 1,200'. Water will load up to 100 gallons per minute.
- ENGINE:** John Deere 4045T Diesel with locking engine enclosure. (L.P. and electric models are available).
- RATING:** 4-cylinder; liquid cooled; turbo charged; 100 HP standard @ 2,400 RPM.
- SPECIFICATIONS:** Belt drive through Rockford PTO; variable operating speeds between 1,000 to 2,400 RPM; mechanically governed; 12 volt starter, and 40 AMP alternator with internal regulator; 15"5 blade pusher fan, mounted on water pump; dry type air cleaner.
- CONTROL PANEL:** Water temperature warning, oil pressure warning, oil temperature warning, charge system warning; hour meter/tachometer; air pressure gauge, Murphy shut down system, key switch.
- FUEL/OIL:** Fuel- #2 Diesel, 100 Gallon capacity, approximate running time 8 hours, oil - 16 quart capacity with filter.
- COMPRESSOR:** 11 ACFM with air reservoir.
- VACUUM GAUGE:** 0 - 30" Hg, glycerin filled
- COLLECTOR UNLOAD:** Collector raises to a maximum height of 8'-8", centerline 6'-0" from the rear edge of the trailer. Controls are included for automatic, cyclical discharge of collected materials. When the cyclone collector is in raised position, it is upheld by rigid support arms. Discharge is flanged to accept standard flanged gravity spout and other optional discharge valves.
- CYCLONE/BAGHOUSE:** Cyclone collector with 1/2 cubic yards (175 gallons) capacity in the conical storage section flanged. Baghouse contains 90 square feet of felted polypropylene cloth, continuously cleaned by reverse air pulses during the pulse cycle using customer-supplied air. Bag pulsing is controlled by a pressure switch and solenoid valves.
- ADDED FILTRATION:** A 185 square feet of pleated cellulose microfiltration is on the blower providing final filtration and blower protection. H.E.P.A. filtration is optionally available.
- TRAILER:** Fully road-ready with tandem 5,200 pound axles, electric brakes, hand-operated parking brake, jack for raising and lowering the trailer tongue, all lights for legal night highway operation, ball or eye-type hitch, radial tires mounted on six lug spoke rims. Length: 16'-1", Width: 7'-2", Height: 10'-0", Weight: 8,200 Lbs.

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WARRANTIES, SERVICE AND RELIABILITY:

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For more information, contact Vector Technologies at 1 (800) 832-4010. Outside the United States or Canada, please call: 1 (414) 247-7100 or fax 1 (414) 247-7110. Also, see our Web site at www.vector-vacuums.com.

January 15, 2007



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MINI VECLOADER VACUUMS® Standard Specifications

Models:	Mini VecLoader 100	Mini VecLoader 80	Mini VecLoader 50
Maximum M ³ /Hr or Maximum mm Hg	2,272 M ³ /Hr 686 mm Hg	3,348 M ³ /Hr 406 mm Hg	2,277 M ³ /Hr 406 mm Hg
Standard Engine:	75 kW Deere Turbo Diesel	60 kW Deere Turbo Diesel	38 kW Deere Diesel
Primary Filtration:	Coated bags pulse air cleaned	Coated bags pulse air cleaned	Coated bags pulse air cleaned
Secondary filter for blower protection:	Pleated cartridge	Pleated cartridge	Pleated cartridge
Maximum Hose Diameter:	10.16 cm inlet	10.16 cm inlet	10.16 cm inlet
Dimensions (L, W, H):	439 cm, 183 cm, 240 cm	439 cm, 183 cm, 240 cm	439 cm, 183 cm, 240 cm
Weight:	3,700 kg	3,200 kg	3,400 kg
Maximum Conveying Distance:	360 meters	180 meters	360 meters
Maximum Performance/Bulk*:	5-7 tons/hr.	5-6 tons/hr.	4-5 tons/hr.
Maximum Performance/Liquid*:	380 liters/min.	500 liters/min.	380 liters/min.

* Performance figures are averages based on easily conveyed products at shorter distances. Many factors will affect vacuum productivity.

Options and alternative packages:

Power: Diesel, electric, L.P., explosion resistant. **Mounting:** Road legal trailer, all terrain, skid, truck, crane.

Unloader valves: Double dump, gravity, rotary airlock, and cutter valve.

Filtration: HEPA, nuclear, carbon, product specific. **Options and Accessories:** Sound Enclosures, Cyclone drum fillers, intermediate hoppers and separators, bagging stations, vacuum hose, specialty nozzles, early warning shut downs, and engineered solutions.

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