



VecLoader Trailed Vacuums Versus Vacuum Trucks

Since 1977, Vector has offered powerful industrial vacuums, incorporating innovative technology to solve a wide range of industrial vacuuming problems. The VecLoader 721, 832, 6100HP and 6150R are the latest in a series of high-powered Vector vacuums. Organizations considering the purchase of vacuum trucks may wish to carefully study the competitive advantages offered by Vector vacuums.

Power and Performance

VecLoaders are now available that are comparable in power to the most powerful vacuum trucks at less than ½ the cost. VecLoaders consume less fuel than a vacuum truck and requires significantly less maintenance, insurance, and replacement parts. Plus, splitter housings on vacuum trucks are under substantial stress and prone to failure resulting in costly downtime.

Compact Size and Mobility

VecLoaders are often easier to position on job sites due to their compact size. Vacuum trucks are space restricted due to their bulky footprint and require operators with commercial driving licenses (CDL). Smaller VecLoaders combined with tow vehicles do not require CDL licensing. Furthermore, the vacuum trucks' gross combination weight rating cannot exceed the legal road limit of **70,000 lbs.** This constraint limits the truck's storage capacity resulting in reduced vacuuming time and less productivity. With its lighter weight, mobility and smaller size, VecLoaders are able to perform under conditions that would be difficult, if not impossible for vacuum trucks.

Billing Rate for Contractors

With a lower acquisition and operating cost, VecLoader vacuums can be billable to customers at a rate substantially less than a vacuum truck. Reduced costs may allow contractors to be more competitive, to develop more business and to better satisfy existing and perspective customers. Or, alternatively, gross-margins can be improved. Since VecLoaders are undoubtedly less common than trucks, this often provides the contractor flexibility in pricing.

Non-Stop Performance

VecLoaders work non-stop, discharging materials into dump trucks or dumpsters. So, vacuuming on larger jobs can be accomplished virtually non-stop. Vacuum trucks must leave the job site to discharge. This practice disrupts production and causes unnecessary downtime, especially in high-density urban areas or areas that are difficult to reach. It is interesting to note that Vector has customers that use their very expensive vacuum trucks on their smaller jobs but utilize the more affordable VecLoaders on the larger or repetitive jobs.

Efficient and Effective

The VecLoader filtration system is comprised of pleated, spun-bond polyester bags. The design helps to reduce vacuum line loss while increasing productivity. Vacuum trucks use standard filtration bags which are far less efficient. VecLoaders can also be equipped with H.E.P.A. filtration for vacuuming hazardous waste streams.

Smaller, More Manageable Hose Sizes

Most of the larger VecLoaders perform best utilizing a six-inch diameter hose or multiple smaller diameter hoses. Vacuum trucks are designed to use eight-inch hose, which is extremely difficult for operators to handle. When vacuum trucks reduce to a six inch hose, the full benefit of the truck's large capacity blower is diluted. This is due to increased restriction in the vacuum line, resulting in lower productivity. Unlike a VecLoader, the truck's "sweet-spot" dictates use of an eight-inch hose for optimum productivity. Plus, a six-inch hose on vacuum trucks dramatically increases hose wear due to an excessively high air velocity produced by the high CFM/smaller hose combination.

Maintenance and Troubleshooting

VecLoader vacuums are less complicated than vacuum trucks so maintenance becomes less complicated and far less expensive. Troubleshooting problems are also much easier on a VecLoader.

Viable Choice

The largest VecLoader Models, the VecLoader 6150 and the VecLoader 6100HP (6150 CFM; 16 and 28" Hg, respectively) have airflow and vacuum comparable to the most powerful Vac trucks. However, production on even smaller VecLoaders will often compare favorably to vacuum trucks for the aforementioned reasons. So, the vacuum truck is not always a best option, nor the most cost effective. Perspective users should consider VecLoader's rugged powerful performance and the many advantages they have over the vacuum trucks. All in all, the VecLoader may be the viable choice.

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