



National Carwash Solutions

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Affiliate Companies

Car Wash Technologies – www.carwashtech.com
Pittsburgh | Columbus | Cleveland | Harrisburg

TEC Services – www.thecarwashsource.com
Knoxville | Nashville | Raleigh



FREE Vacs Drive Profits

...like nothing else before

Consumers today want more than just a good wash; today's consumers' desire a complete service experience – a mix of convenience, need-based services, entertainment and value. Most well run car washes offer some of this formula but lack an essential WOW, the key to achieving satisfying experiences which in turn develop loyal repeat customers that refer their friends and neighbors. Free self service vacuums is that highly valued “Extra” thrown in to push the value and customer experience over the top - people love it because they get more than they paid for.



Candidates for FREE Vacuums

- ✓ ANY Under Performing Site offering Exterior Washing
 - Full Service or Flex
 - Exterior Tunnel
 - Retail Petroleum Rollover, Touch Free or Mini-Tunnel
- ✓ All New Construction Car Washes with Central Vacs offering an Exterior Wash



Auto.drive

max efficiency central vac

Performance Up and Power Down ... NCS delivers

Working together with EuroVac, specialists in dust extraction for industrial applications, and Rockwell Automation, experts in VFD use to cut power costs with centrifugal fans, we now exclusively offer Auto.drive max efficiency central vacuum systems. Max efficiency Blue Chip XRI vacuum motor and Max efficiency Rockwell VFD motor controls.

National Carwash Solutions offers a wide range of dependable central vacuum systems to meet every need and every budget beyond Auto.Drive Max Efficiency Vac.

VFD for Vacuums

New or retrofit, the payback is less than three years on 25%-45% energy savings.

The typical vacuum in today's carwash is operated by across the line motor starter. The vacuum is either on at full speed or off.

Our auto. drive™ VFD system measures vacuum pressure with a pressure transducer and feeds this back to the VFD. Using a PI algorithm to dynamically control speed, we maintain a constant vacuuming pressure. No longer will your vacuum motors be full on when only one customer is vacuuming. The system is straight forward and easy to set up.

OTHER APPLICATIONS FOR VFD

Centrifugal loads, such as fans and pumps, offer the greatest energy savings potential. Fortunately for us, our car washes are chock full of centrifugal loads. In fact, centrifugal loads represent the vast majority of our motor horsepower; Dryer Fan Motors, Water Pump Motors, Vacuum Pump Motors and Air Compressor Pump Motors.

Marathon Electric's Blue Chip XRI® Marine Duty Motors are designed tough with built-in reliability for years of trouble free service in severe conditions. Totally enclosed severe duty cast iron construction coupled with additional epoxy coatings protect against the harshest environments, prolonging life and reducing unnecessary downtime. Rugged die cast aluminum rotors are precision balanced. This reduces overall system vibrations, thereby increasing equipment longevity.

Our Blue Chip XRI® Motors are inverter duty designed and manufactured to respond effortlessly to dynamic speed changes from VFDs.

The Blue Chip XRI® Motor offers no lead length restrictions and provides for power matched performance with Allen Bradley AC drives.

The Blue Chip XRI® Motors meet NEMA Premium® efficiency levels – EFF 93.6

The Blue Chip XRI® Motors incorporate an advanced bearing system designed and engineered for continuous, reliable performance and easy maintenance. They also come with bearing isolator shaft seals, that prevent entry of contaminants into the bearings.

