

Vari-Green® and Greenheck Motor Starters



Greenheck's Vari-Green products are designed for energy-efficiency, controllability and low maintenance. They are an environmentally progressive option when specifying products for your next project. Greenheck's motor starters are available for both single phase and three phase motors in commercial and industrial applications. They include basic motor protection as well as the ability to provide advanced motor protection. All Greenheck motor starters are available in either indoor or outdoor enclosures.

Vari-Green® Motor

The Greenheck Vari-Green motor is an electrically commutated (EC) motor that operates on 115V AC power input and internally converts it to DC power providing better speed control capabilities (up to an 80% turndown) and higher efficiencies (85% efficient at all speeds) than standard motors. The Vari-Green motor blends technology, controllability and energy efficiency in a low maintenance package that is changing the way the industry designs, specifies and operates air movement equipment. Vari-Green motors are available in a variety of sizes and are currently available on models SP, CSP, G, CUE, CW, LD, LDP, SQ, SFD, SWD, SE1, and SS1 with either a dial mounted potentiometer (speed control) on the motor or it can accept a 0-10 VDC control signal from an external source.



Vari-Green® Controls

Greenheck's Vari-Green Controls are designed specifically for the Vari-Green motors. Vari-Green controls are available for applications requiring manual operation or demand controlled ventilation (DCV). Applications utilizing DCV controls provide only desired amount of ventilation, providing building owners savings on their energy bills. Vari-Green Controls available are:

- Manual Controls
 - Remote Dial
 - Touch Remote
- Demand Controlled Ventilation
 - Two-Speed Control
 - Constant Pressure (indoor or outdoor)
 - Air Quality - Volatile Organic Compound (VOC)
 - Air Quality - Temperature/Humidity

Greenheck Motor Starters

Models MSAC, MSSC and MS-1P, MSEM and MSTs provide a wide range of control logic solutions as well as electronic overload protection for the motor. The MSAC and MSSC are 3 phase controllers that can be used on any single speed, non-reversible fan with a motor between ¾ hp and 25 hp (1-40 amps). They are capable of integrating with other building controls such as building management systems and thermostats. The MSAC has some additional advanced control integration that includes emergency shutdown, fireman's override, damper actuator voltage, end switch monitoring and status output. The MS-1P is a single phase controller that will work on any fan with a single phase motor up to 1 hp (1-16 amps). It also has two control inputs and two status outputs-run and fault.

