

# Vari-Green<sup>®</sup> Drive

ENERGY | CONTROL | INTEGRATION

Designed from the ground up – Greenheck's Vari-Green™ Drive has been custom designed to offer the same benefits of Vari-Green technology for use in three phase applications while supporting the reduction in operating costs and maximizing the efficiency of ventilation systems.



Greenheck  
**GREEN**

Supporting Green Building  
Initiatives Worldwide

# VARI-GREEN™ Drive

Greenheck's Vari-Green® product line continues its expansion with the new Vari-Green Drive (VGD). This drive is designed to meet the challenges faced in achieving the best performance possible in today's commercial ventilation systems.

Now, for applications where a Vari-Green motor isn't an option, you can realize the convenience and benefits of a factory mounted and wired variable frequency drive with the VGD-100.

Make speed control easy with features and benefits only available when using the new Vari-Green Drive by Greenheck.

## Key Features:

200-240VAC, 380-480VAC, 3ø

Factory Mounted, Pre-Programmed,  
Variable Speed

NEMA 4X Enclosure

Configurable digital control



## Pre Programmed Parameters

- High Frequency Limit
- Low Frequency Limit
- Acceleration Time
- Deceleration Time
- Damper Time Delay
- Motor FLA
- Motor Voltage
- Motor Speed
- Carrier Frequency
- Fan Mark Name
- Fan Serial Number

## VGD-100

### Analog or Onboard Speed Control Options

- Analog input for speed reference with scaling capabilities for voltage sensing of 0-10V input and current sensing for 4-20mA input.
- Potentiometer on-board dial for local speed adjustment.

### In House Set-up to Eliminate commissioning

- All units are factory mounted and programmed to match the characteristics of the fan and motor on which it is installed.
- Compatible with induction and permanent



magnet motors.

### Damper and Control Power Output

- Two 24VDC power output terminals located on the control board within the drive. One is live anytime the drive is powered and used for the onboard dial or other VG controls. Another is only live when drive is running the motor and used for powering a damper actuator.

### Advanced Motor Protection for Efficient Operation and Longevity

- Thermal overload, over voltage, under voltage, input phase loss, over current, overheat, short circuit protection, hardware error, and cooling fan error notifications are standard with each unit.
- R3 Filtering technology mitigates harmonics to levels in compliance with IEEE 519 without the use of external reactors.