



MAXIMUM EFFICIENCY WITH INTEGRAL SPEED CONTROL

VARI-GREEN® MOTORS

The Vari-Green motor combines technology, controllability, and energy efficiency into one single low-maintenance unit.

THE VARI-GREEN ADVANTAGE

Vari-Green motors combine ultra-efficient motor technology with onboard speed controls to provide an alternative to induction motors and VFDs. Through the use of ferrite-assisted synchronous reluctance (FASR) technology, Vari-green motors operate at IE5+ efficiency levels – significantly higher than the IE3 level of NEMA MG1 motors. And with onboard drive controls, there is no need for a separate VFD for balancing or speed control.

- **ULTRA-EFFICIENT.** FASR technology achieves IE5+ efficiency levels, significantly outperforming NEMA PE motors. Vari-Green motors are up to 94.8% efficient.
- **TURNDOWN CAPABILITY.** Constant speed or variable airflow volume.
- **INTEGRATED DRIVE CONTROLS.** Onboard drive controls eliminate the need for a separate VFD.
- **SIMPLIFIED EQUIPMENT DESIGN.** Eliminating VFDs from a design avoids the need for an internal or external drive panel as well as any drive-specific ventilation requirements.

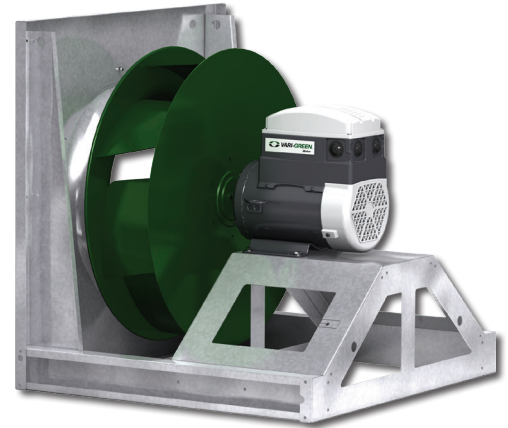
MHP	NEMA MG1	VARI-GREEN MOTOR EFFICIENCY
1	85.5%	89.3%
2	86.5%	90.7%
3	89.5%	92.8%
5	89.5%	93.7%
7.5	91.7%	94.7%
10	91.7%	94.8%

BUILT **TO ORDER.** BUILT **FOR EFFICIENCY.** BUILT **TO LAST.**



VARI-GREEN MOTORS

- **RELIABILITY.** Greater motor life since there are no voltage or current spikes as in VFD controlled induction motors.
- **STANDARD SIZING AND INSTALLATION.** Utilizes traditional T-frame mounting patterns for direct mounting to new and existing plenum fans.



VARI-GREEN MOTOR AVAILABILITY

Vari-Green motors are available on Greenheck APD, APM, and APH fans.

- All can be set up as supply, exhaust, or return fans
- Up to 10 hp at 460/3/60

LEARN MORE

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- Visit the [Innovent website](#) for more information about Innovent products and applications expertise.



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