

Supplemental Information

Please read and save these instructions for future reference. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with these instructions will result in voiding of the product warranty and may result in personal injury and/or property damage.

Vari-Green® Motor

The SP/CSP-A700-VG and SP/CSP-A1050-VG models utilize a Vari-Green® motor. The Vari-Green motor is an electronically commutated (EC) motor that uses AC input power and internally converts it to a DC power supply which provides an 80% turndown capability and increased energy savings.



Tri-Voltage: 115V or 208-230/277V

ATTENTION

The motor is prewired at the factory for 115V operation. If disconnected, red jumper wire has 120 VAC potential. Ensure leads are capped/covered with the supplied caps in the hardware package.

The tri-voltage feature allows the motor to operate at 115/208-230/277V. The operating voltage is selected via the voltage jumper wire.

When the jumper wire is **connected**, the motor operates at 115V, see Figure 1.

When the jumper wire is **disconnected and capped**, the motor operates at 208-230/277V, see Figure 2.



Figure 1
115V Operation



Figure 2
208-230/277V Operation

Balance Dial

The speed control dial (P/N 385806) is mounted on the power pack bracket and is to be plugged into the 9-pin connector on the motor. To increase speed, rotate the dial clockwise. To decrease speed, rotate the dial counterclockwise. From 0-1.9V the motor will be off and will operate in the 2-10V range. See Figure 3 for dial mounting location.



Figure 3
Balance Dial Mounting Location

Other Vari-Green Motor and Control Instruction Manuals

Description	Document Number
Indoor Air Quality - VOC	475407
Indoor Air Quality - Temperature/Humidity	475573
Constant Pressure Control	474766
Generation 2 Constant Pressure/Airflow Control	479653
Vari-Green® Motor and Controls	473681