

VGreen® 165
Premium Pool & Spa Motors

Variable Speed ECM



FEATURES

- Integrated User Interface
 - Timer Mode
 - Manual Mode
 - Freeze Protection
 - Noise Reduction Design
 - Factory Default Settings Reset
 - Ball Bearing
 - TEFC
 - Rotation: CCWPE
 - Single Phase
 - Schedule Advance
 - Full Variable Speed (600-3450 RPM)
 - Max Output of 1.65 THP
 - ECM Design
 - Program Memory Back-Up
 - 303 Stainless Steel Shaft
 - Class F Insulation
 - 50°C Ambient
 - UV and Rain-Proof Enclosure
 - Keypad Lockout
 - Digital Inputs for Third Party Automation
 - VGreen 270 User Interface* Compatibility
- *Specially Programmed User Interface Sold Separately*



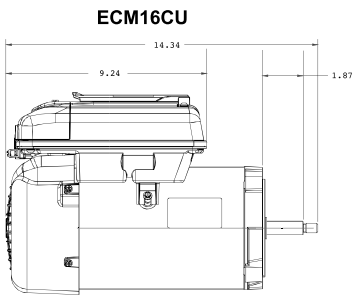
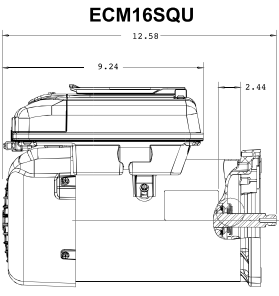
THP	RPM	Volts	Max Amps**	Service Factor	Flange	Percent Energy Savings*	VGreen 165 Stock Number
1/2 min. to 1.65 max.	600-3450	208-230	10.5-10.0	1.0	Square	80%	ECM16SQU
1/2 min. to 1.65 max.	600-3450	208-230	10.5-10.0	1.0	C-Face	80%	ECM16CU

**Savings over the equivalent single-speed motor. **Max Amp Draw is dependent on motor speed and impeller rating.*

The reasons a VGreen® 165 premium-efficiency replacement motor can offer such impressive savings are numerous including:

An integrated user interface that allows for easier installation and operation of a variable speed motor. The all-in-one design reduces installation time and expense with no additional wiring required.

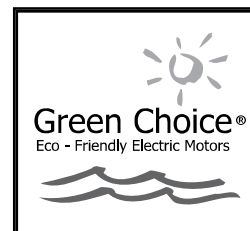
The amount of power required to move the water through the pipes drops much more quickly than the speed. While it may take one horsepower to move the water through the pipes on high speed, it only takes 1/8 horsepower to move one half as much water through those same pipes on low speed. Even when run on low speed twice as long to pump the same amount of water as on high speed, the lower horsepower results in significant energy savings.



Important:
The pool motors on this page are **NOT** equipped with a **Safety Vacuum Release System (SVRS)**. SVRS helps prevent drowning due to body entrapment on underwater drains. In some pool configurations, if a person's body covers the drain, the person can be trapped by suction. The SVRS turns off the pump if this occurs.
⚠ WARNING Depending on your pool configuration, a SVRS may be required to meet local, state, and federal requirements.

Warranty Period - VGreen motors are warranted against defects in materials and workmanship for a period of 18 months from the date of installation or 24 months from the date of manufacture, whichever comes first.

Premium Efficiency Variable Speed Motor



Features:

- Integrated Timer Interface
- On-and Off-Board Mountable Interface
- Timer Mode
- Manual Mode
- Freeze Protection
- Auxiliary Load Capacity
- Configurable Prime Settings
- Noise Reduction Design
- Adjustable Contrast
- Power Factor Correction
- Factory Reset
- Battery Backup - Program Saver
- LCD Display with Backlight
- Ball Bearing
- TEFC
- Rotation: CCWPE
- Single Phase
- 303 Stainless Steel Shaft
- Class F Insulation
- 50°C Ambient
- UV and Rain-Proof Enclosure

THP	RPM	Volts	Service Factor	Full Load Amps	Stock Number	Flange	Percent Energy Savings*
3/4 min. to 2.7 max	3450/600	230	1.0	10.5/0.5	ECM27SQU	Square	80%
3/4 min. to 2.7 max	3450/600	230	1.0	10.5/0.5	ECM27CU	C-Face	80%

*Savings over the equivalent single-speed motor.

Energy savings range of 40% - 80% or more depending on variables including user defined speed settings, duration of operation, environment, and unique hydraulic requirements for satisfactory pool filtration. See the Energy Savings Calculator at www.pool-motors.com to estimate savings potential.

The reasons a VGreen® 270 premium-efficiency replacement motor can offer such impressive savings are numerous including:

An integrated timer interface that allows for easier installation and operation of a variable speed motor. The all-in-one design reduces installation time and expense with no additional wiring required. The interface can be installed off-board at the pool owner's discretion with kit #2512723-001 (sold separately).

The amount of power required to move the water through the pipes drops much more quickly than the speed. While it may take one horsepower to move the water through the pipes on high speed, it only takes 1/8 horsepower to move one half as much water through those same pipes on low speed. Even when run on low speed twice as long to pump the same amount of water as on high speed, the lower horsepower results in significant energy savings.

VGREEN AUTOMATION ADAPTER KIT (Sold Separately)

#2517501-001 (gray terminal box cover); #2517501-002 (black terminal box cover)

VGREEN OFF BOARD MOUNTING KIT (Sold Separately)

#2512723-001

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