

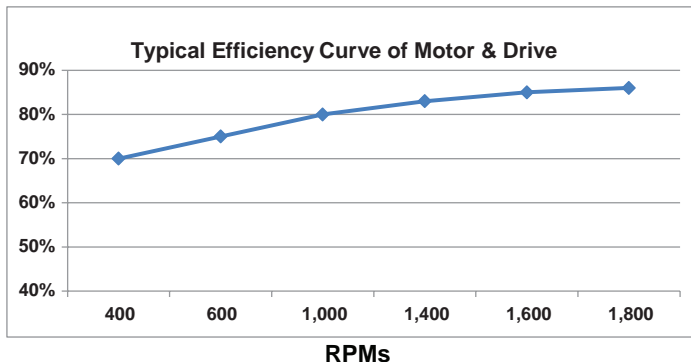
# Variable Speed Commercial Pump Duty Motor

## ECM Motor, Control and User Interface

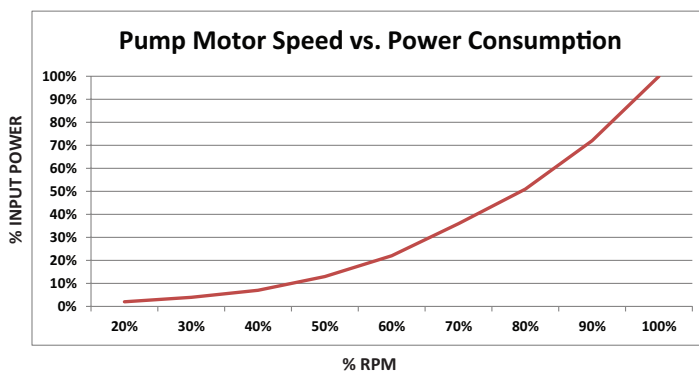


### Efficiency, Simplicity & Technology Breakthrough

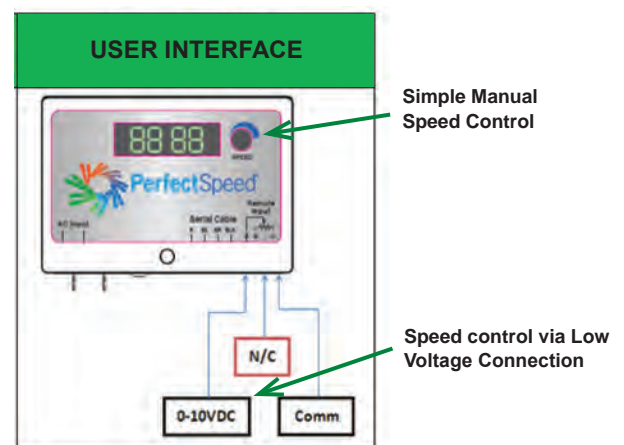
- **Reduce Electricity Use – Up to 82% Efficiency**  
Electronically Commutated Motor (ECM) can provide 70%-90% in electricity savings vs. constant speed pumps.
- **Simple Installation – Integrated adjustable speed control & motor are factory prewired.** Simply connect the power supply. Eliminate the cumbersome wall-mounted drive and its associated programming and wiring issues.
- **Technology – Manually adjust the motor speed to optimize the system efficiency or allow the system to communicate to the motor control when variable demand is preferred.**



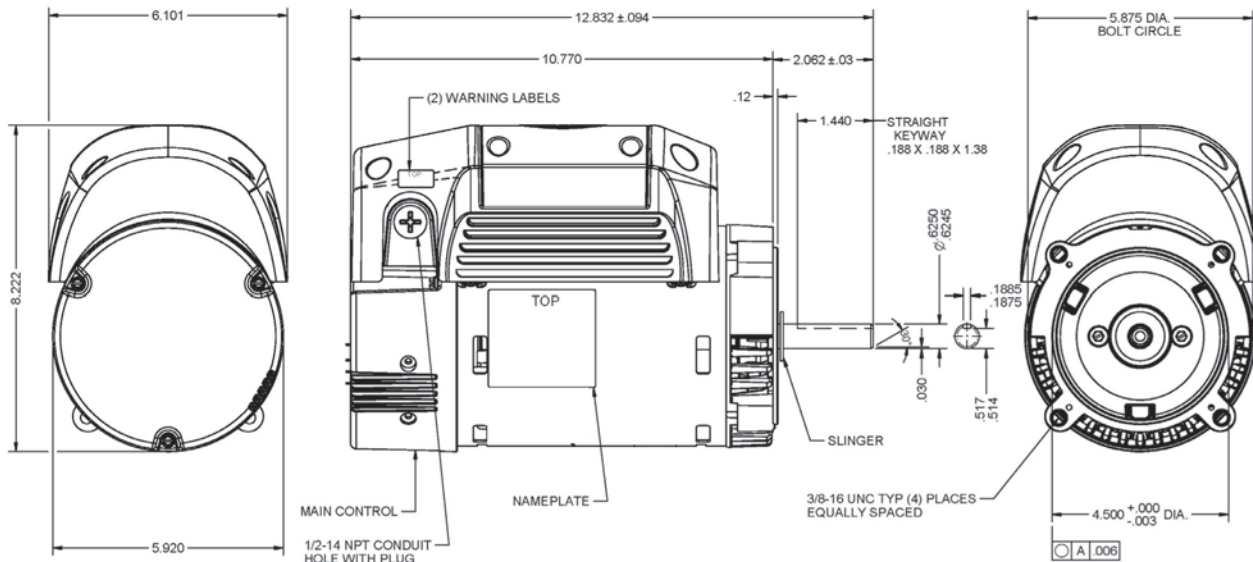
Traditional commercial duty pumps run at only one speed and the one speed is high speed. Most pumps are usually oversized for the application and they rely on induction motor technologies which are far less efficient than ECM technology. This results in traditional pumps being energy hogs. ECM technology can save commercial building owners 30% to 90% in energy savings.



This graph shows the large increase in energy consumption when running the pump and motor at high speeds. Slowing the pump and motor speed saves significant energy dollars, similar to better automobile gas mileage when driving 40 mph versus 70 mph.



## Dimension Print



## Key Features and Benefits

- Variable Speed Pump Motor
- No programming required
- GFCI Compliant Product
- UL and CSA Listing
- Allows for:
  - Improved Hydraulic Efficiency
  - Quieter Pump Operation
  - Longer Pump Life
  - Energy Payback in less than 2 Years
  - 3rd party drive to install

## Specifications

**Horsepower:** 1/3, 1/2, 3/4, 1 HP

**Volts:** 115 or 230

**RPM:** 300 to 1800 RPM

**Mounting:** NEMA® 56C, 56J or Square Flange

### On Board Control:

Fully Potted Electronics  
Manual Speed Control or 0-10Vdc Control  
EMI Compliant regarding Class B Radiated  
& Conductive Emissions

## Applications

- Hydronic Pumping
- Chemical Processing
- Filtration Systems
- Water Pressure Boosting Systems
- Commercial Pumping Applications

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