



INTELLIGENT FIXED SPEED MOTOR CONTROL

360energysolutionsinc.com | 800-975-6013

If your facility has Fixed Speed Electric Motors/Compressors that are not controlled by Variable Frequency Drives (VFDs)...you can benefit from the 360 ESI IMC Units!

65% of the world's energy is consumed by electric motors - Only 10% are controlled by VFDs, which leaves a ton of room for further improvements. The loading on a motor can vary between 0-100% during its cycle; the problem is, there is no way for the motor to intelligently adjust the power required in relation to the work it needs to perform. Wasted energy is converted into heat, vibration, and noise. **There is a solution!**

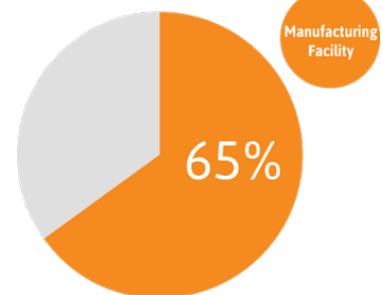
Cruise control on a car will intelligently adjust the amount of power being produced by the engine in order to maintain a fixed speed. The 360 ESI IMC Units do the same for electric motors/compressors, which can save between 10% - 40%. It achieves this by converting the motor into its own load sensor to ensure that it uses the exact amount of energy required to do its work at any given load condition, no more – no less, which also results in a > 95% Power Factor for that circuit. The IMC units also have a built in Soft Start function that optimizes the energy during the starting of the motor/compressor, which further provides KW savings, reduced wear and tear on the equipment resulting in longer equipment life and reduced maintenance/downtime costs.

Benefits of the 360 ESI Intelligent Motor Controller (IMC) Units

1. Significant Energy Savings
2. 99.9% Efficiency – No Harmonic Distortion
3. Improved Power Factor at All Load Cycles
4. Reduced Peak Demand (KW) Charges
5. Increased System Capacity
6. Built-In Soft Start Technology
7. Reduced Maintenance and Downtime
8. Easily Installed into Existing Electrical System
9. Eliminated Utility Penalty Fees
10. Increased Equipment Life Cycle
11. No Ongoing Maintenance Required
12. Automatic Set Up Feature

Features and Specifications

- UL Listed
- CE and CSA Marked
- LED Touch Screen Display
- Fully Integrated Soft Start Capability
- Easy Set Up and Operation
- Self-Contained – Wired in Series with the Motor
- Motor Overloads Built-In
- Additional Energy Saving Features Included
- 10-Year Equipment Warranty



% Energy Electric Motors account for in a Manufacturing Facility

Give your motors Cruise Control and start saving today!