



## Featured Products



### **ABB** Variable Speed AC Motor Drives

ABB Variable Speed Drives are ideal for most low power applications like conveyers, pumps, and fans. ABB Drives are manufactured to be easily integrated into machines, with flexible mounting options and straightforward configurations. ABB Variable Speed Drive technology increases the productivity of the driven process by extending the motor speed range from zero to well above the rated speed. When only a low capacity is needed, the Variable Speed Drive lowers the machine speed to save energy.

- Variety of industrial applications
- Wide range of powers & voltages
- Flexible programmability
- Efficient & reliable operation
- Increase process control
- Optimize energy usage w/ savings up to 50 %
- Increase productivity by up to 30%

As an authorized distributor and certified for ABB Drives start-up, our staff at Electrical Control Distributors are ready to assist you in selecting the perfect Variable Speed Drive for you application. For additional information, please contact your ECD salesperson.

***For more information on ABB Drives, please call ECD at 847-516-2524***





## Variable Speed Drive Facts

**FACT:** The “workhorse” of industry is the standard induction motor.

**FACT:** Electric motors account for more than 2/3s of all energy used in industry.

**FACT:** About 1/3 of the world’s electrical energy is consumed by electric motors in fixed speed applications.

**FACT:** 63% of energy consumed is linked to air and liquid flow.

**FACT:** An estimated 60 – 65% of electrical energy in the U.S. is used to supply motors.

**FACT:** Roughly, 18% of the energy used in 40 million motors in the U.S. could be saved with energy improvement utilizing techniques such as Variable Speed Drives.

**FACT:** At 63% speed, a motor load only consumes 25% of its full speed power.

**FACT:** Variable Speed Drives assist with “green” initiatives for the environment and support Environmental Protection Agency (EPA) efforts to improve energy efficiency.

**FACT:** When utilizing Variable Speed Drives, average ROI typically ranges from 6 months to 2 years.

**FACT:** About 3% of the total installed base of AC motors are provided with AC drives.

**FACT:** Approximately, 30 – 40% of newly installed AC motors are provided with AC drives.

**FACT:** Variable Speed Drive technology is used to control the speed and torque of induction motors to help save energy and money.

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