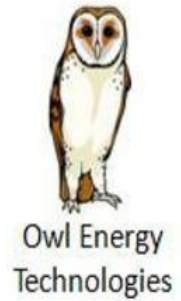


VFD and VSD compared to Intelligent Motor Controllers with Variable VOLTAGE Drive (VVD) Capabilities as provided by Owl Energy Technologies



Press Release: Tuckahoe, NY December 2014

Variable Frequency Drives (VFD)

- **Ideal when Load is Constant:**
Output needs to be varied, speed control is required:
IE: Water Pump

- Soft starter capability
- Proven Technology

- **An example: A water pump:**
- Load is constant;
- Amount of water pumped per minute needs to change as well empties;
- VFD changes speed of motor to pump more or less water

Variable Voltage Drive (VVD) capabilities with Owl Energy Technologies' Motor Controllers

- **Ideal when Load Varies,**
Matching actual load to motor usage
Reduces electricity used and lowers costs.
IE: Escalator; compressors; Presses and more
- Start-up spike reduction, soft start and soft-stop capability
AND Energy Optimization
- Can be applied to motors without regard to their age or insulation class
- Perfect for retrofit,
- Significantly reduces the motor heat and as a result, increases the life of the motor
- Proven technology in use in thousands of installations worldwide

An example: An escalator

- Load Varies
- For an escalator at start-up, the motor is moving the steps up or down.
- When people start using the escalator, the load is obviously increased; Our VVD Intelligent motor controller will provide the Adjusted power, volts times amps, as needed.
- Your motor today cannot do this.

See also:

Application Brief:

Introducing "Intelligent Motor Control Dec 2014.

Owl Energy Technologies' Intelligent Motor Controllers with VVD Capabilities, Your Complete fixed speed AC motor *Solution!*

Please visit our Web site at <http://www.owlmotorcontrol.com>

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