DVR High Efficiency Motors

What is DVR Motor Technology?

DVR, or Digital Variable Reluctance, is a Switch Reluctance Motor with unique electronic control developed and owned by DVR Technology Developments. This intelligent electronic control utilises a micro-processor for constant monitoring of the motor and environment conditions to adjust speed and power to suit.

DVR Motor Features:

- **Simple Construction** – eliminates permanent magnets, brushes and commutators
- **Intelligent Motor** – next level intelligence where the motors merge with the application for seamless convergence and integration.
- **Energy Efficient** – up to 50% power savings over conventional motors
- **Built in Wireless** – standard protocols via USB
- **Simple Motor Power Controller**
- **High Speed and Acceleration Capability** – from 0-100,000+ rpm, 50w to 500kw (model dependant)

Available in a Variety of Formats:

- Motors/Built-in Spindles/OEM
- Package Drive Motors – 4 Base Configurations (customizable)
- Integrated Fluid Handling (pumps for water and air)
- Powered Rollers (conveyor systems)

Standard Package Drive Characteristics:

- 110V - 240V Single Phase Input
- 1250W / 2200W Power Output
- 100RPM – 5,500RPM
- Class F Winding Insulation
- Weight 46.5lb (1250W inc. Controller)

For further information on our Technology please refer to the DVR website: [www.dvrsmartmotor.com](http://www.dvrsmartmotor.com)