My VFD Features - with answers to Speedys' Questions

What "me" thinks they are?

Features

- Simple Volts/Hertz control — I don't know - I can't find anything "simple" enough for me to understand
- Pulse Width Modulation (PWM)
  1. Personal Wealth Management
  2. Used to encode information for transmission, its main use is to allow the control of the power supplied to electrical devices, especially to inertial loads such as motors. In addition, PWM is one of the two principal algorithms
- 3 – 10 kHz carrier frequency
- IGBT technology
- 130% starting torque at 5Hz — Ties into "overload-protection" & Stall Prevention to prevent those situations
- 150% rated current for one minute
- Electronic overload protection — Self explanatory
- Stall prevention — Will not allow a motor get into a too low voltage situation or a too high current situation
- Adjustable accel and decel ramps
- S-curve settings for acceleration and deceleration
- Manual torque boost — Used when applied to "stall prevention"
- Automatic slip compensation
- DC braking
- Built-in EMI filter — Limits un-wanted AC Line Noise & Spikes
- Three skip frequencies
- Trip history — Records Over-current Situations - used for trouble-shooting
- Integral keypad and speed potentiometer
- Programmable jog speed
- Three programmable preset speeds
- Four programmable digital inputs — Parameters can be programmed if using a "digital" input
- One programmable analog input — Parameters can be programmed if using an "analog" input
- One programmable relay output
- RS-485 Modbus communications up to 19.2K
- Optional Ethernet communications
- Two-year warranty — THIS is a GOOD thing!
- UL/cUL/CE listed