Most motors run at peak load less than 10 percent of the time, so why use extra energy when you don’t need to? A Variable Frequency Drive (VFD) adjusts the speed of the motor to meet the “load” of the system without using more energy than necessary.

**Phase-Converting VFD with AuxPower™**
- **Single-Phase Input**
  - Reduce labor cost with one integrated panel that provides everything required for center pivot irrigation.
- **Three-Phase Output**
  - Independently controlled phase converter to power the entire center pivot system.

**Three Phase-Converting VFD with AuxPower™**
- **Three-Phase VFD**
  - VFD provides full-featured speed control of the main pump plus voltage doubling for significant savings.

**Why use a Phase Technologies VFD?**
- **Best Value** – high-quality VFDs and phase converters at an affordable price
- **Safe** – Low harmonics meet or exceed industry guidelines
- **Powerful** – Double your voltage when you need it most
- **Efficient** – Specifically designed for efficient digital phase conversion
- **Strong** – Rated up to 122°F, offering trouble-free operation and effective protection from the elements.
The Phase Technologies PhasePerfect product line brings a powerful solution to areas where only single-phase power exists.

- Solid State power conversion
- Single-Phase to Three-Phase converter
- 7-30 HP range
- Low Standby Loss
- 97% Efficient

The first and only 480V digital phase converter on the market, PHASEPERFECT® balances phase voltages within 1% under all load conditions.

**PHASEPERFECT® 480V**

A PHASEPERFECT 480V converter saves an average of $797 per year in operating costs compared to a rotary converter.*

- Built with the latest advances in solid state power switching technology
- Operates three-phase pivots and all related accessories, including GPS, without risk or damage from voltage imbalance or loss of signal
- Conserves energy and reduces demand on single-phase service power grid with high efficiency and electronic power factor correction
- Lightweight, quiet and easy to install

* Assumptions: Four-month irrigation season, Energized 50% of the time, $0.12 per kWh, 10 HP total load.

Significant Operating Cost Savings

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