

The Power You Need. The Efficiency You Deserve.



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

LH Series AP^{XT} Series 3XD Series 20-200 HP

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.



PHASEPERFECT® 480V

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.

Significant Operating Cost Savings

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 kW/hr. 10 HP total load.

PHASE
TECHNOLOGIES