

Convert 230 or 480 Volt Single Phase to 230 or 480 Volt Three Phase

Single to Three Phase Conversion for Grain Bins Dryers and Air Transfer Systems

Electro Power offers complete Phase Conversion Solutions. You can now run your Three Phase motors with Single Phase input .

What are the Benefits you get with a VFD vs. Rotary Phase Converter ?

Soft-Starting the Motor:

This means you'll be able to start a 20 Hp motor with around 50 Amps on a 230V system versus 250 Amps with a Rotary Phase converter. This means Lower Peak Demand. It also means that by Soft-Starting your machinery, things like belts, gear boxes, sheaves, bearings and anything else connected to your motor will last longer.

Speed Control:

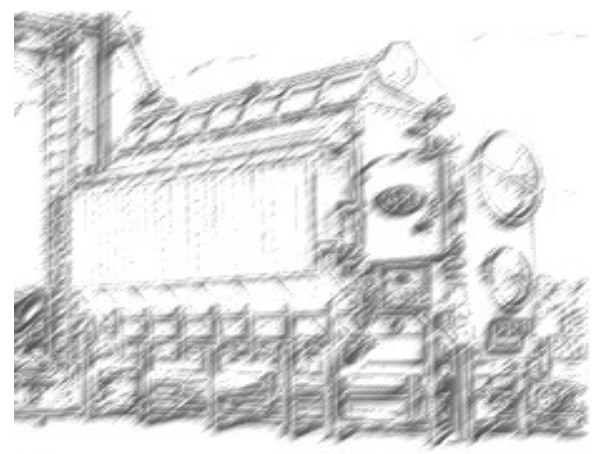
Another benefit is the ability to control the speed of your motor. Slow down augers, fans and pneumatic conveyors to optimize production.

Solid State Phase Converting vs. Mechanical:

Because a VFD is a solid state phase converter unlike the mechanical phase converter it has no moving parts to break down or replace.

Our Dryer and Air Transfer Packages offer the same standard features as above, with the addition of the following:

- Speed Pot to Control Air Velocity or Auger Speed
- Separate interlocked contactor for Airlock Motor
- Pressure Switch and Gauge
- Individual Start/Stop Switches for Blower and Airlock Motors to Aid Clean Out



Our control solution offers the following standard features:

- NEMA 3R Outdoor Enclosure w/ Rain Hood
- Thermostatically controlled Cooling Fans and Filters
- Input Line Reactors
- Control Power Transformer 110VAC (Fused Primary and Secondary)
- Circuit Breaker Disconnect w/ Door Interlock
- Individual Motor Starters / Overloads
- Remote "Start/Stop" Station for Unload Auger
- "Fan-Off-Auger" Selector Switch.



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