

**UNCOMMON *VALUE***



**Industry Best  
Lead Times**



**Technical  
Support Network**



**Vertically  
Integrated**



**Industry Specific  
Training**



**INTUITIVELY  
ENGINEERED**



# PRODUCT LINEUP



**PHASE** PERFECT® DIGITAL PHASE CONVERTERS  
**PTS** SIMPLE | **PTE** ENTERPRISE | **PT** PERFORMANCE



## VARIABLE FREQUENCY DRIVES

**SD** SERIES | **2XD** SERIES | **1LH** SERIES | **3LH** SERIES  
**DX** SERIES | **ES** SERIES | **DXL** SERIES



## MOTOR PROTECTION

**DV** SERIES | **SW** SERIES | **LR** SERIES | **XR** SERIES  
dV-dt OUTPUT FILTERS      SINE WAVE OUTPUT FILTERS      INPUT REACTOR      OUTPUT REACTOR



## REMOTE MONITORING

**PHASE** CONNECT™

**PHASE** CONNECT™ wireless control from any device. Receive text and email alerts to ensure a timely response and avoid downtime.

Monitor Pressure | Remote Control



Receive  
Text or  
Email Alerts

**INTUITIVELY  
ENGINEERED**



# VARIABLE FREQUENCY DRIVES

NEMA 3R Enclosures

Low Harmonic | Phase Converting

Low Harmonic | Three-Phase

Three-Phase | Custom 508A Options



## 1LH SERIES

20 HP to 125 HP



Voltage  
Doubling



## 3LH SERIES

5 HP to 800 HP



Low  
Harmonic



## DX SERIES

5 HP to 500 HP



Optional  
System  
Bypass

1LH SERIES drives were designed specifically for the water well industry and provide features not found anywhere else. Configure a phase converting 1LH for your application with our online product builder.

Transducer Included

Low Harmonic | Phase Converting

Voltage Doubling™ | Phase Converting

Single-Phase | 2 & 3 Wire



## SD SERIES

2 HP to 15 HP



Simple Constant  
Pressure Setup



## 2XD SERIES

5 HP to 7.5 HP



Voltage  
Doubling



## ES SERIES

1/3 HP to 2 HP



Large Graphic  
Display

Enjoy commercial VFD quality and robustness in a drive that is easy to configure for home wells, irrigation systems, motor control, and soft start applications. They can also be configured for lead lag applications.

NEMA 1 Enclosures

Three-Phase | Phase Converting



## DXL SERIES

2 HP to 400 HP



Downloadable  
Parameters

**DXL** SERIES drives provide outstanding value in a compact, yet rugged design for industrial applications.



## PRODUCT BUILDER

Easily choose the right solution for your equipment using our online Product Builder. Simply answer three site related questions, select your options and accessories, view pricing, and get an instant quote!



## FACTORY TRAINING



Contractors and distributors alike gain unique knowledge that will forever drive uncommon value to themselves, their company, and the industry as a whole.

LEARN MORE





# PHASE PERFECT® DIGITAL PHASE CONVERTERS

SOLID-STATE DIGITAL PHASE  
CONVERTING TECHNOLOGY

## Utility Quality Three-Phase Power



### PT SERIES

7.5 HP to 175 HP



Commercial  
Applications

## Three-Phase | Enterprise



### PTE SERIES

7.5 HP to 20 HP



Voltage  
Doubling

## Three-Phase | Simple



### PTS SERIES

3 HP to 7.5 HP



98%  
Efficient

**PHASE PERFECT®** offers an affordable, reliable, and easy-to-install solution that will power one or multiple three-phase loads. Our patented solid-state technology delivers power quietly, efficiently, and reliably to a wide variety of applications and equipment.

## MOTOR PROTECTION

### Reactor

Three-Phase | 1.5% & 3% Impedance



### XR SERIES OUTPUT REACTOR

### LR SERIES INPUT REACTOR

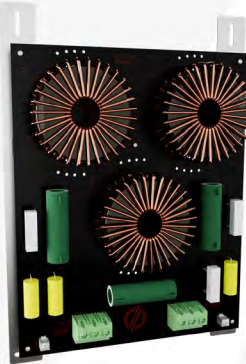
8-477 Amps



Simple  
Solution  
to Lower  
Harmonics

### dV/dt Input Filter

VFD to Motor Lead Length 0-1,000 Ft



### DV SERIES

9-480 Amps



Superior  
Peak Voltage  
Reduction

### Sine Wave Filter

VFD to Motor Lead Length 0-15,000 Ft



### SW SERIES

9-480 Amps



Superior  
Sinusoidal  
Waveform

**Phase Technologies** Motor Protection filters are designed with distributed gap alloy powder cores resulting in superior peak voltage reduction, lower core losses, higher temperature stability, and a more compact product envelope.



## **PROMISE THEN DELIVER**

*Say what we mean and mean what we say*

## **RELENTLESS INNOVATION**

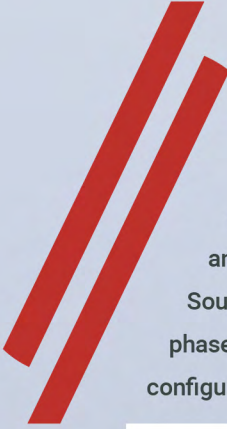
*Building the best products means constant reinvention*

## **PROVIDE UNCOMMON VALUE**

*Our products must be easy to use, and an exceptional value*

## **UNAPOLOGETICALLY PATRIOTIC**

*We exemplify American Manufacturing: Great People, Quality, and Ingenuity make exceptional products*



Phase Technologies was founded in 1999 with the invention of Phase Perfect<sup>®</sup>, the worlds first and only solid state digital phase converter. Over 23 years later, we're known and recognized as the world's leader in phase conversion technology. We now offer an extensive line of phase converters as well as variable frequency drives and magnetic filters that are designed, tested, and manufactured entirely in-house at our headquarters in Rapid City, South Dakota. Utilizing our Active Front End technology, we produce the best low harmonic, fully regenerative, phase-converting drives that comply with IEEE 519, in both three-phase, Voltage Doubling, and phase converting configurations. Phase Technologies delivers uncommon value in every product we sell.

