**Pro-Line Rotary Phase Converters**

**Quick Specs**

<table>
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<tr>
<th>Single Phase Input Voltage: 208 - 245 Volts</th>
<th>Best Performance Single Motor Start: 25HP</th>
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<tbody>
<tr>
<td>3 Phase Rated Output: 208 - 245 Volts</td>
<td>Recommended 3 Phase Sizing: 61 Amps</td>
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<tr>
<td>Minimum Single Phase Circuit: 125 Amps</td>
<td>Voltage Balance: +/-2-5% (Based on input)</td>
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**Professional. Rugged. Affordable.** Pro-Line offers more than a traditional phase converter. Built complete and loaded with features.

**Control Panel Features**

- Integrated Motor Starter with Start/Stop Push Button Switch
- Digitally Controlled & Protected Start Circuit
- Complete Phase Power Failure Protection
- CNC Voltage Balancing
- Power “ON” Indicator Light
- Easy Power Distribution Block Connections
- 10 Year Parts / Lifetime Labor Warranty
- Made In the USA

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**Idler Generator Features**

- Custom Design Rotary Phase Converter Generators
- Low Impedance/High Efficiency Design
- Custom Copper Windings and Rotor
- Made by ABB / Baldor Electric USA
- Available in ODP and TEFC
- Soft Start Idler Generator
- Shielded Windings
- Made In the USA

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North America Phase Converter Co.
2728 South 163rd Street
New Berlin, WI 53151
877-545-2926
NorthAmericaPhaseConverters.com
### Specifications

<table>
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<th>Model</th>
<th>PL-50</th>
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#### General Specifications

- **Horse Power (HP):** 50
- **Kilo-watt (kW):** 37.3
- **Frequency (Hz):** 60
- **Generator Type:** TEFC
- **Enclosure Type:** NEMA 1 (Indoor)
- **Generator Frame:** 326

#### Single Phase Electrical Specifications

- **Voltage Input:** 208-245
- **Minimum Fuse Size:** 125
- **Minimum Circuit Breaker Size:** 125
- **Maximum Fuse Size:** 250
- **Maximum Circuit Breaker Size:** 250
- **Minimum Wire Input:** 300 MCM or 125% of circuit size
- **Idle Amperage:** 9.72

#### Three Phase Electrical Specifications

- **Voltage Output:** 208-245 based on input voltage
- **Output Amperage:** 120
- **Voltage Balance:** 2 - 5%
- **Minimum Wire to Generator:** 2/0 AWG
- **Minimum Wire to Load:** 2/0 AWG or based on load

#### Dimensions & Weights

- **Enclosure (H X W X D):** 26" X 18" X 8"
- **Idler (Approx.) Length X Diameter:** 21.5" X 13.5"
- **Approx. Total Shipping Weight:** 428 lbs.

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**The PL-50 Pro-Line Phase Converter is best sized for:**

- **Easy / Light Motor Loads - up to 40HP**
  - *Examples of Easy Loads:* Table Saw, Milling Machine, Drill Press
- **Medium Motor Loads - up to 30HP**
  - *Examples of Medium Loads:* Belt Sander, Grinder, Mixer
- **Hard Motor Loads - up to 25HP**
  - *Examples of Hard Loads:* Gearhead Lathe, Dust Collector, Fan
- **Very Hard Motor Load - up to 20HP**
  - *Examples of Very Hard Motor Loads:* Air Compressor, Sub. Pump
- **CNC, Resistive and Inductive Loads - up to 61 Amps @240 volts**

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**Sizing Notes:**

- **For light/easy motor loads:** Size rotary phase converter up one size above motor size
- **For medium motor loads:** Size rotary phase converter 1.5 times larger then motor size
- **For heavy/hard motor loads:** Size rotary phase converter double the size of motor load
- **For very hard motor loads:** Size rotary phase converter 2.5 times larger then the motor load
- **For CNC, resistive and inductive loads:** Size rotary phase converter double the size of load

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**Available Accessories**

- **Wired and Wireless Remote Switches**
- **Twist-Lock Outlets and Plugs**
- **Floor Mounting Kits**