Quick Specs

<table>
<thead>
<tr>
<th>Single Phase Input: 208 - 245 Volts</th>
<th>Best Performance Single Motor Start: 3HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Phase Rated Output: 208 - 245 Volts</td>
<td>Recommended 3 Phase Sizing: 11 Amps</td>
</tr>
<tr>
<td>Minimum Single Phase Circuit: 20 Amps</td>
<td>Voltage Balance: +/- 2-5% (Based on input)</td>
</tr>
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</table>

Professional. Rugged. Affordable. Pro-Line offers more than a traditional a 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

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

Typical Wiring Diagram

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Brand</th>
</tr>
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<tbody>
<tr>
<td>Line</td>
<td>NAPCES</td>
</tr>
<tr>
<td>Model #</td>
<td>Pro-Line</td>
</tr>
</tbody>
</table>

#### General Specifications

- **Horse Power (HP)**: 7.5
- **Kilo-watt (kW)**: 5.6
- **Frequency (Hz)**: 60
- **Generator Type**: ODP
- **Enclosure Type**: NEMA 1 (Indoor)
- **Generator Frame**: 213

#### Single Phase Electrical Specifications

- **Voltage Input**: 208-245
- **Minimum Fuse Size**: 20
- **Minimum Circuit Breaker Size**: 20
- **Maximum Fuse Size**: 40
- **Maximum Circuit Breaker Size**: 40
- **Minimum Wire Input**: 8 AWG
- **Idle Amperage**: 4.24

#### Three Phase Electrical Specifications

- **Voltage Output**: 208-245 based on input voltage
- **Output Amperage**: 20
- **Voltage Balance**: 2 - 5%
- **Minimum Wire to Generator**: 10 AWG
- **Minimum Wire to Load**: 10 AWG

#### Dimensions & Weights

- **Enclosure (H X W X D)**: 17" X 12" X 8"
- **Idler (Approx.) Length X Diameter**: 13" X 8"
- **Approx. Total Shipping Weight**: 110 lbs.

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**The PL-7 Pro-Line Phase Converter is best sized for:**

- **Easy / Light Motor Loads** - up to 5HP
  - Examples of Easy Loads: Table Saw, Milling Machine, Drill Press
- **Medium Motor Loads** - up to 5HP
  - Examples of Medium Loads: Belt Sander, Grinder, Mixer
- **Hard Motor Loads** - up to 3HP
  - Examples of Hard Loads: Gearhead Lathe, Dust Collector, Fan
- **Very Hard Motor Load** - up to 2HP
  - Examples of Very Hard Motor Loads: Air Compressor, Sub. Pump
- **CNC, Resistive and Inductive Loads** - up to 11 Amps @240 volts

#### 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 than 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 than 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

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