

Pro-Line Rotary Phase Converters

PL-20

Quick Specs

See back for complete specs

Single Phase Input Voltage: 208 - 245 Volts

3 Phase Rated Output: 208 - 245 Volts

Minimum Single Phase Circuit: 50 Amps

Best Performance Single Motor Start: 10HP

Recommended 3 Phase Sizing: 25 Amps

Voltage Balance: +/-2-5% (Based on input)

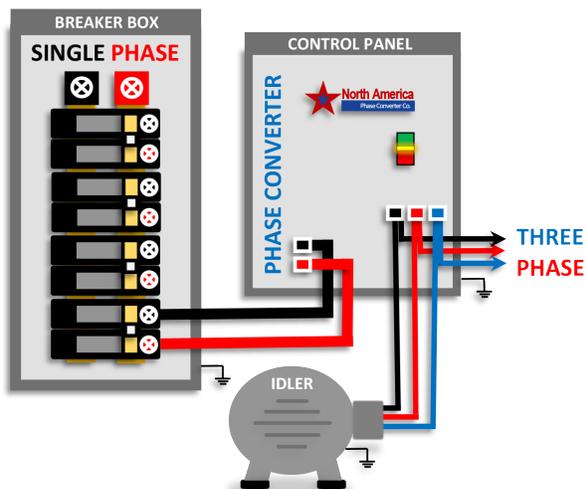
Professional. Rugged. Affordable. Pro-Line offers more than a traditional phase converter. Built complete and loaded with features.

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



Typical Wiring Diagram



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



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



Model	
Brand	NAPCES
Line	Pro-Line
Model #	PL-20
General Specifications	
Horse Power (HP)	20
Kilo-watt (kW)	14.9
Frequency (Hz)	60
Generator Type	ODP
Enclosure Type	NEMA 1 (Indoor)
Generator Frame	256
Single Phase Electrical Specifications	
Voltage Input	208-245
Minimum Fuse Size	50
Minimum Circuit Breaker Size	50
Maximum Fuse Size	100
Maximum Circuit Breaker Size	100
Minimum Wire Input	2 AWG or 125% or circuit size
Idle Amperage	7.37
Three Phase Electrical Specifications	
Voltage Output	208-245 based on input voltage
Output Amperage	50
Voltage Balance	2 - 5%
Minimum Wire to Generator	6 AWG
Minimum Wire to Load	6 AWG or based on load
Dimensions & Weights	
Enclosure (H X W X D)	17" X 12" X 8"
Idler (Approx.) Length X Diameter	18" X 10"
Approx. Total Shipping Weight	254 lbs.

The PL-20 Pro-Line Phase Converter is best sized for:
Easy / Light Motor Loads - up to 15HP
<i>Examples of Easy Loads: Table Saw, Milling Machine, Drill Press</i>
Medium Motor Loads - up to 12HP
<i>Examples of Medium Loads: Belt Sander, Grinder, Mixer</i>
Hard Motor Loads - up to 10HP
<i>Examples of Hard Loads: Gearhead Lathe, Dust Collector, Fan</i>
Very Hard Motor Load - up to 7.5HP
<i>Examples of Very Hard Motor Loads: Air Compressor, Sub. Pump</i>
CNC, Resistive and Inductive Loads - up to 25 Amps @240 volts

Sizing Notes

PL-20

- 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 the motor load
- For CNC, resistive and inductive loads:** Size rotary phase converter double the size of load

Available Accessories



Wired and Wireless Remote Switches



Twist-Lock Outlets and Plugs



Floor Mounting Kits