

Pro-Line Rotary Phase Converters

PL-20

Quick Specs

See back for complete specs

Single Phase Input Power - 208 - 245 Volts

Input Amperage Range - 50 - 100 Amps

Idler HP Rating - 20HP (14.9kW)

3 Phase Rated Output - 208 - 245 Volts

3 Phase Output Amperage - 52 Amps

Voltage Balance - Based on input +/-2-5%

Professional. Rugged. Affordable. The Pro-Line offers much more than you would expect from a phase converter. Loaded with features and unmatched quality.

Control Panel Features

- Built-In Motor Starter with Start/ Stop Push Button Switch
- Digitally Controlled & Protected Start Circuit
- Complete Phase Power Failure Protection
- Precision 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 Made Rotary Phase Converter Generators
- Made by Baldor Electric USA
- Soft Start Idler Generator
- Low Impedance/High Efficiency Design
- Available in ODP and TEFC
- Custom Copper Windings and Rotor
- Shielded Windings
- Made In the USA

Easy Installation



Installation made easy with removable back plate, open side walls, oversized wire connections and laser cut knockouts including one for a twist-lock outlet.



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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
Idle Amperage	5.37
Three Phase Electrical Specifications	
Voltage Output	208-245 based on input voltage
Output Amperage	52
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	235 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 31 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



Built-In Motor Stater with Start / Stop Switch



Oversized Power Distribution Blocks for Easy Installation



Complete 3 Phase Power Guard Protection