

# Rotary Phase Converter Control Panel CP-20

## Quick Specs

See back for complete specs

**Single Phase Input Power** - 208 - 245 Volts

**Input Amperage Range** - 40-100 mps

**Idler HP Rating** - Your 20 HP motor

**3 Phase Rated Output** - 208 - 245 Volts

**3 Phase Output Amperage** - 54 Amps

**Voltage Balance** - Based on input +/-5-8%

**Professional. Rugged. Affordable.** Build your own rotary phase converter with our Pro-Line CP line of control panels and your motor as an idler motor. The Pro-Line CP offers much more than you would expect from a phase converter control panel 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
- Emergency Stop Button
- 10 Year Parts / Lifetime Labor Warranty
- Available in a NEMA 3R Upgrade (Outdoor Rating)
- 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.



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 #	CP-20
General Specifications	
Horse Power (HP)	20
Kilo-watt (kW)	14.9
Frequency (Hz)	60
Generator Type	Add your 20HP motor
Enclosure Type	NEMA 1 (Indoor)
Generator Frame	Based on your 20HP Motor
Single Phase Electrical Specifications	
Voltage Input	208-245
Minimum Fuse Size	40
Minimum Circuit Breaker Size	40
Maximum Fuse Size	100
Maximum Circuit Breaker Size	100
Minimum Wire Input	2 AWG
Idle Amperage	Based on your 20HP Motor
Three Phase Electrical Specifications	
Voltage Output	208-245 based on input voltage
Output Amperage	54
Voltage Balance	2-5 %
Minimum Wire to Generator	6 AWG
Minimum Wire to Load	6 AWG
Dimensions & Weights	
Enclosure (H X W X D)	18" X 18" X 8"
Idler size	Based on your 20 HP Motor
Approx. Total Shipping Weight	38 lbs.

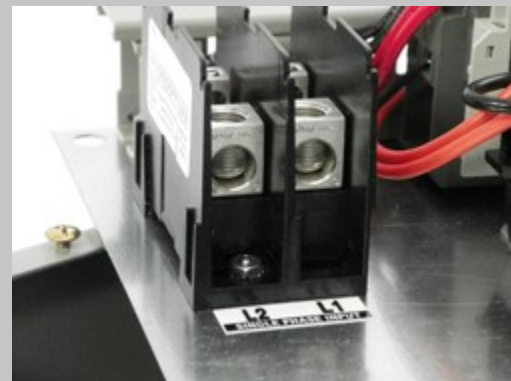
The CP-20 Pro-Line Phase Converter is best sized for:	
<b>Easy / Light Motor Loads - 15 HP</b>	
<i>Examples of Easy Loads: Table Saw, Milling Machine ,Drill Press</i>	
<b>Medium Motor Loads - up to 12 HP</b>	
<i>Examples of Medium Loads: Belt Sander, Grinder, Mixer</i>	
<b>Hard Motor Loads - up to 10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

### Sizing Notes CP-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



**Built-In Motor Starter with Start / Stop Switch**



**Oversized Power Distribution Blocks for Easy Installation**



**Complete 3 Phase Power Guard Protection**