

# Rotary Phase Converter Control Panel CP-5

## Quick Specs

See back for complete specs

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

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

**Minimum Single Phase Circuit:** 15 Amps

**Best Performance Single Motor Start:** 2.5HP

**Recommended 3 Phase Sizing:** 7 Amps

**Idler Motor Rating:** Add your 5HP idler motor

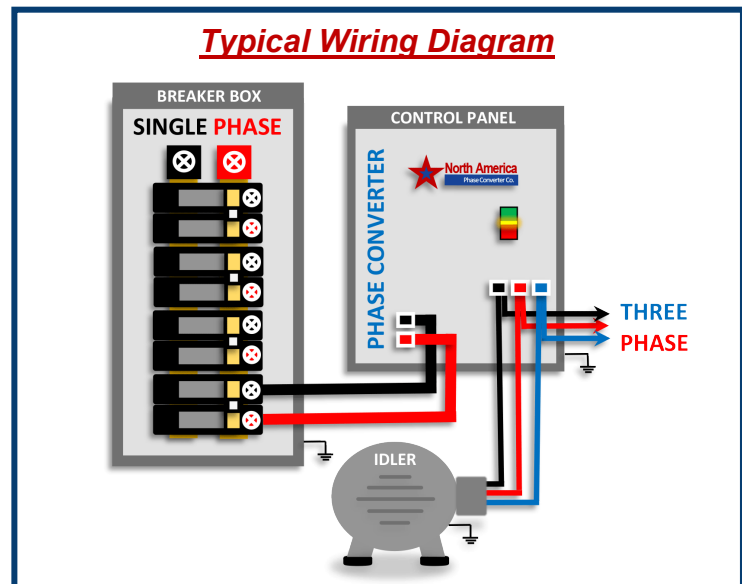
**Professional. Rugged. Affordable.** Build your own rotary phase converter with our Pro-Line CP line of control panels and your motor as an idler motor. Pro-Line CP offers more than a traditional phase converter. Built complete and loaded with features.

### Control Panel Features

- Built-In Motor Starter with Start/Stop Push Button Switch
- Available in a NEMA 3R Upgrade (Outdoor Use)
- Digitally Controlled & Protected Start Circuit
- Easy Power Distribution Block Connections
- Complete Phase Power Failure Protection
- 10 Year Parts / Lifetime Labor Warranty
- Precision Voltage Balancing
- Power "ON" Indicator Light
- Emergency Stop Button
- 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



Model	
Brand	NAPCES
Line	Pro-Line
Model #	CP-5
General Specifications	
Horse Power (HP)	5
Kilo-watt (kW)	3.3
Frequency (Hz)	60
Generator Type	<b>Add your 5HP idler motor</b>
Enclosure Type	NEMA 1 (Indoor)
Generator Frame	182
Single Phase Electrical Specifications	
Voltage Input	208-245
Minimum Fuse Size	20
Minimum Circuit Breaker Size	20
Maximum Fuse Size	30
Maximum Circuit Breaker Size	30
Minimum Wire Input	10 AWG
Idle Amperage	Based on your 5HP Motor
Three Phase Electrical Specifications	
Voltage Output	208-245 based on input voltage
Output Amperage	14
Voltage Balance	5 - 8%
Minimum Wire to Generator	12 AWG
Minimum Wire to Load	12 AWG
Dimensions & Weights	
Enclosure (H X W X D)	18" X 12" X 8"
Idler (Approx.) Length X Diameter	Based on your 5HP Motor
Approx. Total Shipping Weight	25 lbs.

## The CP-5 Pro-Line Phase Converter is best sized for:

### Easy / Light Motor Loads - up to 3HP

*Examples of Easy Loads: Table Saw, Milling Machine, Drill Press*

### Medium Motor Loads - up to 3HP

*Examples of Medium Loads: Belt Sander, Grinder, Mixer*

### Hard Motor Loads - up to 2.5HP

*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 - N/A

## Sizing Notes

CP-5

**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



Digital Voltage Meter