

## CNC PACKAGE PHASE CONVERTER

230V models & 460V models available.

Designed especially for 3-phase **CNC/PLC** machines operating from single-phase power source.

### PROVIDES THE BALANCED VOLTAGES NECESSARY FOR RELIABLE OPERATION

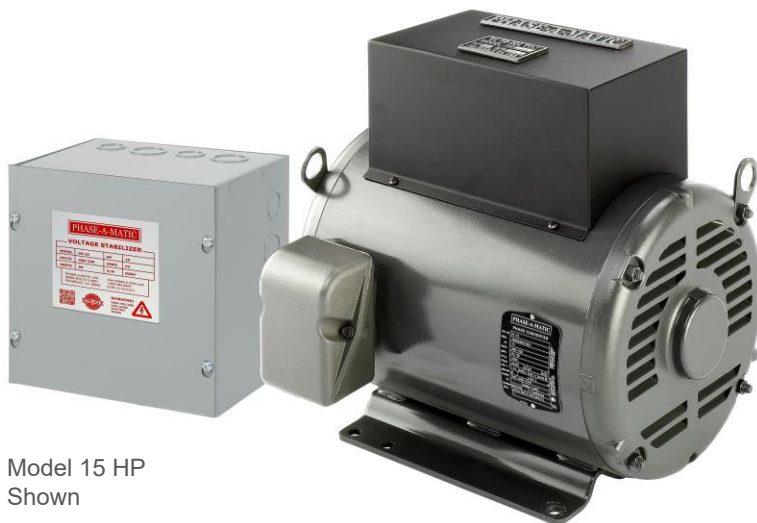
A Rotary Phase Converter, Voltage Stabilizer combination, when properly sized, provides the necessary voltage balance of close to  $\pm 5\%$  or less between legs compared to standard 3-phase line voltage of  $\pm 10\%$ . It also helps to keep the output voltage stable during peak loads, thus helping most CNC / PLC and other voltage sensitive equipment to operate properly.

PHASE-A-MATIC, INC. has been manufacturing phase converters since 1965, and for CNC / PLC machines from the time they were first introduced into service in the USA.

### CONSULT FACTORY FOR SIZING AND OTHER VOLTAGES

- Most CNC / PLC machines require a CNC PAC™ 1½ to 2 times larger than the spindle motor in order to accommodate the extra amps for starting, instant reversing, and for the servos, hydraulics, etc.
- Later model CNC / PLC machines are more technologically sophisticated, with up to 10,000 RPM and higher spindle speeds, regenerative braking, etc. These may require the CNC PAC™ sized even larger. We have a large data bank from past applications experience to help you with these decisions.

**Note:** 230V CNC PAC™ is 230V single-phase in and 230V three-phase out. 460V CNC PAC™ is 460V single-phase in and 460V three-phase out.



Model 15 HP Shown

#### INSTALLATION NOTES:

- Intended for indoor use only in dry locations, but can be placed in a rain-tight enclosure with ventilation for use in wet or damp applications.
- Voltage Stabilizer supplied in NEMA type 1 enclosure with various size knockouts.

CNC PAC™ is one Rotary Converter and one Voltage Stabilizer of equal HP rating.		
230V MODELS	460V MODELS	HP
CNC PAC-1	-----	1
CNC PAC-2	-----	2
CNC PAC-3	-----	3
CNC PAC-5	-----	5
CNC PAC-7	-----	7.5
CNC PAC-10	CNC PAC-H10	10
CNC PAC-15	-----	15
CNC PAC-20	CNC PAC-H20	20
CNC PAC-25	-----	25
CNC PAC-30	CNC PAC-H30	30
CNC PAC-40	CNC PAC-H40	40
CNC PAC-50	CNC PAC-H50	50
CNC PAC-75	CNC PAC-H75	75
CNC PAC-100	CNC PAC-H100	100

PHASE-A-MATIC, INC.

39360 3<sup>rd</sup> St. E. Suite 301 Toll Free: 800-962-6976  
 Palmdale, CA. 93550-3255 Local: 661-947-8485  
 Email: info@phase-a-matic.com FAX: 661-947-8764

## CNC PAC™ PHASE CONVERTER

ROTARY CONVERTER					VOLTAGE STABILIZER				
230V Model	460V Model	HP	WT.* LBS.	W x H x D (Dimensions in Inches)	230V Model	460V Model	HP	WT.* LBS.	W x H x D (Dimensions in Inches)
R-1	-----	1	32	8 ½ x 9 ¼ x 8 ¾	VS-1	-----	0.5	8	6 x 8 x 4
R-2	-----	2	40	9 ½ x 9 ¼ x 8 ¾	VS-2	-----	1	10	6 x 8 x 4
R-3	-----	3	65	10 11/16 x 11 x 9 ¾	VS-3	-----	2	12	8 x 8 x 6
R-5	RH-5	5	70	11 ½ x 11 x 9 ¾	VS-5	-----	3	19	8 x 8 x 6
R-7	-----	7.5	110	13 9/16 x 13 x 12 ¼	VS-7	-----	5	20	10 x 10 x 6
R-10	RH-10	10	125	13 9/16 x 13 x 12 ¼	VS-10	VSH-10	6	25	10 x 10 x 6
R-15	RH-15	15	255	17 ⅞ x 17 ½ x 14 ¾	VS-15	-----	10	30	12 x 12 x 8
R-20	RH-20	20	280	17 ⅞ x 17 ½ x 14 ¾	VS-20	VSH-20	12	40	12 x 12 x 8
R-25	-----	25	350	20 ¾ x 18 ¼ x 19	VS-25	-----	15	65	12 x 12 x 8
R-30	RH-30	30	365	20 ¾ x 18 ¼ x 19	VS-30	VSH-30	20	75	12 x 12 x 8
R-40	RH-40	40	460	22 ¾ x 20 ⅞ x 21	VS-40	VSH-40	25	80	12 x 18 x 10
R-50	RH-50	50	505	22 ¾ x 20 ⅞ x 21	VS-50	VSH-50	30	92	12 x 18 x 10
R-75	RH-75	75	720	24 x 17 x 21	VS-75	VSH-75	50	160	14 x 19 x 12
R-100	RH-100	100	930	26 x 19 x 25	VS-100	VSH-100	60	175	14 x 19 x 12

\*Shipping weight

CNC PAC™ Total Weight		
230V Model	460V Model	Shipping Weight
CNC PAC-1	-----	40 LBS.
CNC PAC-2	-----	50 LBS.
CNC PAC-3	-----	77 LBS.
CNC PAC-5	-----	89 LBS.
CNC PAC-7	--	130 LBS.
CNC PAC-10	CNC PAC-H10	150 LBS.
CNC PAC-15	-----	285 LBS.
CNC PAC-20	CNC PAC-H20	320 LBS.
CNC PAC-25	-----	415 LBS.
CNC PAC-30	CNC PAC-H30	440 LBS.
CNC PAC-40	CNC PAC-H40	540 LBS.
CNC PAC-50	CNC PAC-H50	597 LBS.
CNC PAC-75	CNC PAC-H75	880 LBS.
CNC PAC-100	CNC PAC-H100	1105 LBS.

It is best to consult with Phase-A-Matic, Inc. before purchasing. Please call 661-947-8485

### CNC PAC™ INSTALLATION WIRING DIAGRAM

**NOTE:**

230V CNC PAC is 230V single-phase in and 230V three-phase out. 460V CNC PAC is 460V single-phase in and 460V three-phase out.

