

### CNC PACKAGE PHASE CONVERTER

220V models & 460V models available. See below.

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™ HAS BEEN PROVIDING PHASE CONVERTERS FOR OVER 47 YEARS, AND FOR CNC / PLC MACHINES FROM THE TIME THEY WERE FIRST INTRODUCED INTO SERVICE IN THE USA.**



**INSTALLATION NOTES:**

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

**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:** 220V CNC PAC™ is 220V single-phase in and 220V three-phase out. 460V CNC PAC™ is 460V single-phase in and 460V three-phase out.

CNC PAC™ price includes 1 each ROTARY CONVERTER & VOLTAGE STABILIZER of equal HP rating.			
220V MODELS	460V MODELS	HP	RETAIL PRICE
CNC PAC-1	-----	1	\$660.00
CNC PAC-2	-----	2	\$800.00
CNC PAC-3	-----	3	\$1,000.00
CNC PAC-5	-----	5	\$1,300.00
CNC PAC-7	-----	7.5	\$1,700.00
CNC PAC-10	-----	10	\$2,200.00
CNC PAC-15	-----	15	\$3,000.00
CNC PAC-20	CNC PAC-H20	20	\$3,900.00
CNC PAC-25	-----	25	\$4,700.00
CNC PAC-30	CNC PAC-H30	30	\$5,400.00
CNC PAC-40	CNC PAC-H40	40	\$6,600.00
CNC PAC-50	CNC PAC-H50	50	\$8,200.00
CNC PAC-75	CNC PAC-H75	75	\$11,800.00
CNC PAC-100	CNC PAC-H100	100	\$14,800.00

**PHASE-A-MATIC, INC.**

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**DISTRIBUTED BY:**

**www.phase-a-matic.com**

## CNC PAC™ PHASE CONVERTER

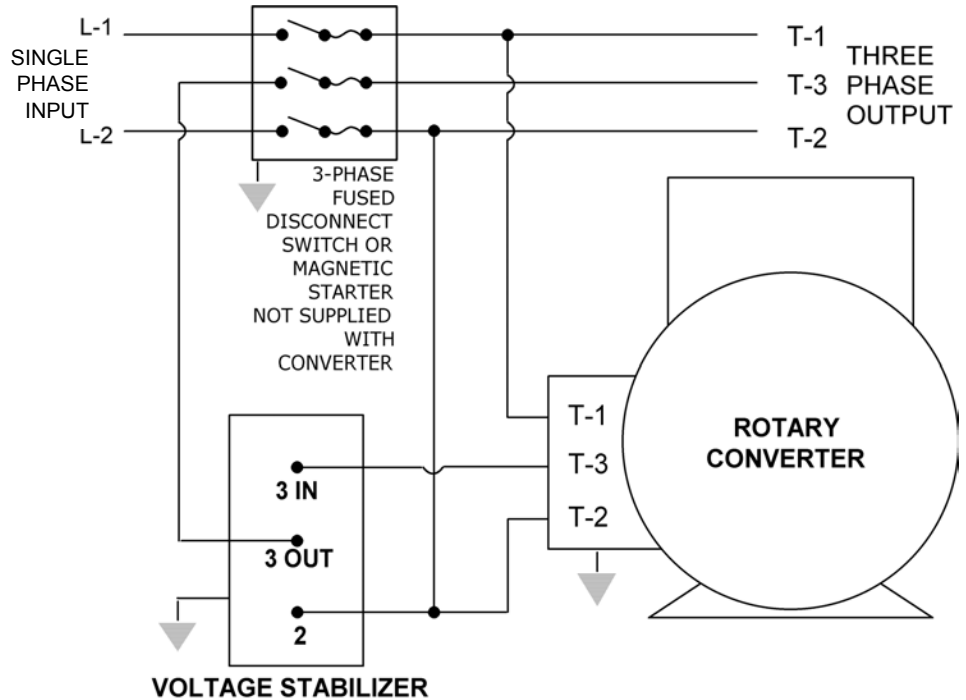
ROTARY CONVERTER					VOLTAGE STABILIZER				
220V MODEL	460V MODEL	HP	WT. LBS.	W x H x D (Dimensions in Inches)	220V MODEL	460V MODEL	HP	WT. LBS.	W x H x D (Dimensions in Inches)
R-1	-----	1	33	8 ½ x 9 ¼ x 8 ½	VS-1	-----	1	9	8 x 6 x 4
R-2	-----	2	41	9 ½ x 9 ¼ x 8 ½	VS-2	-----	2	10	8 x 6 x 4
R-3	-----	3	62	10 11/16 x 11 x 9 ½	VS-3	-----	3	12	8 x 6 x 4
R-5	-----	5	70	11 ½ x 11 x 9 ½	VS-5	-----	5	16	8 x 6 x 4
R-7	-----	7.5	106	13 9/16 x 13 x 12 ¼	VS-7	-----	7.5	20	8 x 8 x 6
R-10	-----	10	125	13 9/16 x 13 x 12 ¼	VS-10	-----	10	25	8 x 8 x 6
R-15	-----	15	208	17 ½ x 17 ½ x 14 ¾	VS-15	-----	15	27	8 x 8 x 6
R-20	RH-20	20	240	17 ½ x 17 ½ x 14 ¾	VS-20	VSH-20	20	40	10 x 10 x 6
R-25	-----	25	296	20 ¾ x 18 ¼ x 19	VS-25	-----	25	65	15 x 10 ½ x 7 ¾
R-30	RH-30	30	320	20 ¾ x 18 ¼ x 19	VS-30	VSH-30	30	75	15 x 10 ½ x 7 ¾
R-40	RH-40	40	448	22 ¾ x 20 ½ x 21	VS-40	VSH-40	40	80	15 x 10 ½ x 7 ¾
R-50	RH-50	50	480	22 ¾ x 20 ½ x 21	VS-50	VSH-50	50	88	15 x 10 ½ x 7 ¾
R-75	RH-75	75	575	24 x 17 x 21	VS-75	VSH-75	75	149	17 x 18 x 12
R-100	RH-100	100	640	26 x 19 x 25	VS-100	VSH-100	100	161	17 x 18 x 12

CNC PAC™ TOTAL WEIGHT		
220V MODEL	460V MODEL	WT.
CNC PAC-1	-----	42 LBS.
CNC PAC-2	-----	51 LBS.
CNC PAC-3	-----	74 LBS.
CNC PAC-5	-----	86 LBS.
CNC PAC-7	-----	126 LBS.
CNC PAC-10	-----	150 LBS.
CNC PAC-15	-----	235 LBS.
CNC PAC-20	CNC PAC-H20	281 LBS.
CNC PAC-25	-----	361 LBS.
CNC PAC-30	CNC PAC-H30	395 LBS.
CNC PAC-40	CNC PAC-H40	528 LBS.
CNC PAC-50	CNC PAC-H50	568 LBS.
CNC PAC-75	CNC PAC-H75	724 LBS.
CNC PAC-100	CNC PAC-H100	801 LBS.

### CNC PAC™ INSTALLATION WIRING DIAGRAM

**NOTE:**

220V CNC PAC is 220V single-phase in and 220V three-phase out.  
460V CNC PAC is 460V single-phase in and 460V three-phase out.



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