

CNC PACKAGE PHASE CONVERTER

220V 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: 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™ is one *Rotary Converter* and one *Voltage Stabilizer* of equal HP rating.

220V 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	-----	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



15 HP MODEL SHOWN

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.

PHASE-A-MATIC, INC.
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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	22	8 ½ x 9 ¼ x 8 ⅝	VS-1	-----	1	9	6 x 8 x 4
R-2	-----	2	40	9 ½ x 9 ¼ x 8 ⅝	VS-2	-----	2	10	6 x 8 x 4
R-3	-----	3	63	10 11/16 x 11 x 9 ⅝	VS-3	-----	3	12	6 x 8 x 4
R-5	-----	5	70	11 ½ x 11 x 9 ⅝	VS-5	-----	5	16	6 x 8 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	120	13 9/16 x 13 x 12 ¼	VS-10	-----	10	25	8 x 8 x 6
R-15	-----	15	202	17 ⅞ x 17 ½ x 14 ¾	VS-15	-----	15	27	10 x 10 x 6
R-20	RH-20	20	220	17 ⅞ x 17 ½ x 14 ¾	VS-20	VSH-20	20	40	10 x 10 x 6
R-25	-----	25	290	20 ⅝ x 18 ¼ x 19	VS-25	-----	25	65	10 x 15 x 8
R-30	RH-30	30	306	20 ⅝ x 18 ¼ x 19	VS-30	VSH-30	30	75	10 x 15 x 8
R-40	RH-40	40	405	22 ¾ x 20 ⅞ x 21	VS-40	VSH-40	40	80	10 x 15 x 8
R-50	RH-50	50	445	22 ¾ x 20 ⅞ x 21	VS-50	VSH-50	50	88	10 x 15 x 8
R-75	RH-75	75	665	24 x 17 x 21	VS-75	VSH-75	75	149	18 x 18 x 12
R-100	RH-100	100	880	26 x 19 x 25	VS-100	VSH-100	100	161	18 x 18 x 12

*Shipping weight

CNC PAC™ TOTAL WEIGHT		
220V MODEL	460V MODEL	WT.*
CNC PAC-1	-----	31 LBS.
CNC PAC-2	-----	50 LBS.
CNC PAC-3	-----	75 LBS.
CNC PAC-5	-----	86 LBS.
CNC PAC-7	-----	126 LBS.
CNC PAC-10	-----	145 LBS.
CNC PAC-15	-----	229 LBS.
CNC PAC-20	CNC PAC-H20	260 LBS.
CNC PAC-25	-----	355 LBS.
CNC PAC-30	CNC PAC-H30	381 LBS.
CNC PAC-40	CNC PAC-H40	485 LBS.
CNC PAC-50	CNC PAC-H50	533 LBS.
CNC PAC-75	CNC PAC-H75	814 LBS.
CNC PAC-100	CNC PAC-H100	1041 LBS.

*Shipping weight

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 FORM NO. CNCB-2017

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.

