KANDLESTICK ™
By ROHENA'S

This instruction sheet explains the proper installation and operation of your Kandle Stick Phase Converter. Study and understand these instructions thoroughly before installing or operating the phase converter. Failure to do so could result in serious injury and/or equipment damage. Consult us if you do not understand these instructions or need additional information.

The instructions, illustrations, and specifications are based on the latest information available at the time of publication. Your Kandle Stick Converter may have product improvements and options not yet contained in these instructions.

Use chart to the right to determine which model needed for your rotary converter motor. Run capacitors can be connected in parallel to achieve MFD ratings. Because of motor variations, the amount of run capacitance on this chart is to be used as a guide. The generated AMP draw must not exceed nameplate AMPs.
*Run capacitors not included

Selection Chart

Model	HP @ 1725	370 V RUN CAPACITOR	Dia	Leng.
KS-A-I-A	1/2	15 MFD	2 3/8	4 3/8
KS-A-I-B	3/4	20 MFD		
KS-A-I-C	1	30 MFD		
KS-B-I-A	1 1/2	40 MFD		
KS-B-I-B	2	50 MFD		
KS-C-I	3	70 MFD		
KS-D-I	5	110 MFD		
KS-E-I	7.5	160 MFD	3	5 1/2
KS-F-I	10	220 MFD		
KS-G-I	15	320 MFD		
KS-H-I-A	20	400 MFD		
KS-H-I-B	25	500 MFD		
KS-I-I	30	600 MFD		
KS-J-I-A	40	800 MFD		
KS-J-I-B	50	1000 MFD		
KS-K-I	60	1200 MFD		

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READ CAREFULLY

1. Install all electrical components in proper enclosure.
2. Use a three phase motor as a rotary converter that is at least 50% larger than the largest combined starting motor HP being started at any one time. Some applications such as pumps and refrigeration may require you to double or even triple the rotary converter motor size.
3. Make sure rotary motor is connected for 230 V.
4. Connect I Model converter and capacitors to rotary motor as shown. Follow all (OSHA) (NEC) wiring requirments.
5. Fuse L1 and L2 at 1.5 times nameplate amps with dual element time delay fuses.
6. Wire I Model converter and capacitors to motor side of switch or starter contractor. Never wire to line side of switch or starter contactor or other starting devices.
7. Use L1 and L2 to operate all electrical switchgear.
8. Total combined Running HP should not exceed 300% of the rotary converter HP.
9. Rotary converter must be running before operating motors or other three-phase equipment.

TEST

1. Rotary converter motor should reach full speed quickly in 3 seconds or less.
2. After motor reaches full speed there should be no measurabl ecurrent draw on teh Kandle Stick I Model Converter lead wires.

CAUTION

Open master breaker and disconnect all leads from power source before installation or servicing to avoid electric shock hazard.
Follow all (OSHA) (NEC) requirements.
Only qualified electric motor personnel familiar with the operation of Kandle Stick phase converters should perform installation and servicing.