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TEMCo Heavy Duty Rotary Phase Converters provide utility quality 3-phase power converted from single phase power. TEMCo's world class products are being used throughout the US and internationally every day.

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TEMCo products meet the demands of tough industrial applications with dependability and quality.

**TEMCo**

The Most Trusted Name In  
Phase Converters

## ROTARY PHASE CONVERTER

Model Number: **6500-7.5KW**

Table no. 1

Series 6500 Model Sizes

|                                  |   |
|----------------------------------|---|
| 1-phase input voltage            | 208-240V or 440-480V *                  |
| 1-phase input frequency          | 60 Hz                                   |
| 3-phase output voltage           | = 1 phase Volts + 5% on L2 (non Loaded) |
| 3-phase output frequency         | 60 Hz                                   |
| 3-phase output voltage tolerance | ±5%                                     |
| 3-phase output phase angle       | 120°                                    |
| Rating                           | 40C amb.-cont.                          |
| Ambient humidity                 | <95% (non-condensing)                   |
| Maximum altitude                 | 3300 ft above sea level (see note 2)    |
| Enclosure                        | Type 1                                  |

Table no. 2

Model

|                                       | 230V           | 460V                |
|---------------------------------------|----------------|---------------------|
|                                       | 6500-7.5KW*    | 6500-7.5KW*         |
| Maximum <b>Medium</b> run or start HP | 5 HP           | 5 HP                |
| Maximum <b>Hard</b> run or start HP   | 3 HP           | 3 HP                |
| Maximum recommended group load HP     | 7.5 HP         | 7.5 HP              |
| Continuous 3-phase output amps        | 10.35 amps     | 10.35 amps          |
| Peak 3-phase output amps              | 27.6 amps      | 13.8 amps           |
| Peak kW output                        | 7.5 kW         | 7.5 kW              |
| Peak 1-phase amps required            | 47.8 amps      | 23.9 amps           |
| Approximate 1-phase idle amps         | 5 amps         | 2.5 amps            |
| 1-phase breaker recommended           | 50 amps        | 25 amps             |
| 1-phase fuse recommended              | 45 (see note1) | 20 amps (see note1) |
| Recommended 1-phase wire size         | 6 AWG          | 10 AWG              |
| Recommended 3-phase wire size         | 10 AWG         | 12 AWG              |

\* Model numbers followed by this asterisk are field re-configurable for 208-240V or 440-480V operation.

**Note 1:** Use only dual element time delay fuses to protect the TEMCo Phase Converter.

**Note 2:** De-rate TEMCo Phase Converter 20% for installation above 3300 feet altitude.



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