

## Rotary Phase Converter Electrical Specifications | Model size: 6500-2KW

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.

### Common single to 3-phase conversion uses include:

- Machine Shops
- Woodworking
- Farm Equipment
- Restaurant Equipment
- Petrochemicals
- Home Hobbyist
- Oil Fields
- Irrigation
- High Tech
- Military
- Aerospace Industry
- Hospitals

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

### Why choose TEMCo for your single to three phase needs?

- Run 3-phase equipment on single phase with a TEMCo Phase Converter.
- Rotary Higher quality lasts longer. With minimal maintenance, requiring only periodic bearing grease, life expectancy is indefinite.
- TEMCo is a member of the Better Business Bureau. TEMCo is a company you can trust.
- Quiet & smooth operation TEMCo's Phase Converters are known for their unusually cool, smooth and quiet running characteristics.
- Every TEMCo Phase Converter carries a 6-Year Warranty. In fact, it's the longest warranty available, unparalleled industry wide.
- Proudly Made in the U.S.A.

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               |
|---------------------------------------|----------------|--------------------|
|                                       | 6500-2KW *     | 6500-2KW *         |
| Maximum <b>Medium</b> run or start HP | 1.5 HP         | 1.5 HP             |
| Maximum <b>Hard</b> run or start HP   | 1 HP           | 1 HP               |
| Maximum recommended group load HP     | 2.2 HP         | 2.2 HP             |
| Continuous 3-phase output amps        | 7.0 amps       | 3.5 amps           |
| Peak 3-phase output amps              | 9.4 amps       | 4.7 amps           |
| Peak kW output                        | 2 kW           | 2 kW               |
| Peak 1-phase amps required            | 16.2 amps      | 8.1 amps           |
| Approximate 1-phase idle amps         | 3.2 amps       | 1.6 amps           |
| 1-phase breaker recommended           | 15 amps        | 15 amps            |
| 1-phase fuse recommended              | 15 (see note1) | 8 amps (see note1) |
| Recommended 1-phase wire size         | 12 AWG         | 12 AWG             |
| Recommended 3-phase wire size         | 12 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 this TEMCo Phase Converter

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

### Call to order

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