



The most trusted name in phase converters

Tower Electric Motor Company

Rotary Phase Converter Electrical Specifications | Model size: 6500-15KW-2

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 + 10% on L2 (non Loaded)
3-phase output frequency	60 Hz
3-phase output voltage tolerance	±10%
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 6500-15KW-2	460V 6500-15KW-2
Maximum Medium run or start HP	10 HP	5 HP
Maximum Hard run or start HP	6.6 HP	3.3 HP
Maximum recommended group load HP	13.3 HP	13.3 HP
Continuous 3-phase output amps	40.5 amps	20.2 amps
Peak 3-phase output amps	54 amps	27 amps
Peak kW output	15 kW	15 kW
Peak 1-phase amps required	93.5 amps	46.7 amps
Approximate 1-phase idle amps	10 amps	5 amps
1-phase breaker recommended	100 amps	50 amps
1-phase fuse recommended	90 (see note1)	40 amps (see note1)
Recommended 1-phase wire size	3 AWG	8 AWG
Recommended 3-phase wire size	6 AWG	10 AWG



- The default factory voltage configuration in this model is 208-240V. Units to be operated on 440-480V are built to order.

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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