

# 6500-5KW

## Rotary Phase Converter Data Sheet



**TEMCo** Heavy Duty Rotary Phase Converters provide utility quality three phase power from a single phase power supply. TEMCo's world class products are being used throughout the United States and internationally.

### Common Phase Converter Uses:

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



### Phase Converter Features:

**6yr** Full 6 Year Warranty

**HEAVY DUTY** Rugged Heavy Duty Rotary Design



100% Copper Windings  
(Energy Efficient, Environmentally Friendly)

100% American Made



208-240v or 440-480v  
Operation



Quiet Operation, 63db @ 10ft  
(No Louder Than Human Conversation)

### Specifications:

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 Balance	± 5%	
3-Phase Output Phase Angle	120°	
Temperature Rating	40° C Ambient Continuous	
Ambient Humidity	<95% (Non-Condensing)	
Maximum Altitude	3,300 ft. Above Sea Level (De-rate 20% if above 3,300 ft.)	
Enclosure	NEMA 1 (Indoor)	
	<b>230v</b>	<b>460v</b>
Maximum <b>Medium</b> Run or Start HP	3.8 HP	3.8 HP
Maximum <b>Hard</b> Run or Start HP	2.5 HP	2.5 HP
Maximum Group Load HP	5.6 HP	5.6 HP
Continuous 3-Phase Output Amps	15.9 Amps	7.9 Amps
Peak 3-Phase Output Amps	21.2 Amps	10.6 Amps
Peak kW Output	5 kW	5 kW
Peak 1-Phase Amps Required	36.7 Amps	18.35 Amps
Approximate 1-Phase Idle Amps	5 Amps	2.5 Amps
1-Phase Breaker Recommended	50 Amps	30 Amps
1-Phase Fuse Recommended	35 Amp Dual-Element Time Delay	15 Amp Dual-Element Time Delay
Recommended 1-Phase Wire Size	8 AWG	12 AWG
Recommended 3-Phase Wire Size	10 AWG	12 AWG

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