

6500-15KW

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)	
	230v	460v
Maximum Medium Run or Start HP	10 HP	10 HP
Maximum Hard Run or Start HP	7.5 HP	7.5 HP
Maximum Group Load HP	15 HP	15 HP
Continuous 3-Phase Output Amps	37.5 Amps	18.75 Amps
Peak 3-Phase Output Amps	50 Amps	25 Amps
Peak kW Output	15 kW	15 kW
Peak 1-Phase Amps Required	86 Amps	43 Amps
Approximate 1-Phase Idle Amps	7 Amps	3.5 Amps
1-Phase Breaker Recommended	100 Amps	60 Amps
1-Phase Fuse Recommended	90 Amp Dual-Element Time Delay	45 Amp Dual-Element Time Delay
Recommended 1-Phase Wire Size	3 AWG	8 AWG
Recommended 3-Phase Wire Size	6 AWG	10 AWG

TEMCo – Tower Electric Motor Co.
41474 Christy St. Fremont, CA 94538

Inside USA (800) 613-2290 International (510) 490-2187
www.temcophaseconverter.com Fax (510) 490-1507