

6500-11KW

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	7.5 HP	7.5 HP
Maximum Hard Run or Start HP	5 HP	5 HP
Maximum Group Load HP	11.3 HP	11.3 HP
Continuous 3-Phase Output Amps	28.5 Amps	14.25 Amps
Peak 3-Phase Output Amps	38 Amps	19 Amps
Peak kW Output	11 kW	11 kW
Peak 1-Phase Amps Required	66 Amps	33 Amps
Approximate 1-Phase Idle Amps	4.5 Amps	2.3 Amps
1-Phase Breaker Recommended	80 Amps	50 Amps
1-Phase Fuse Recommended	70 Amp Dual-Element Time Delay	35 Amp Dual-Element Time Delay
Recommended 1-Phase Wire Size	4 AWG	8 AWG
Recommended 3-Phase Wire Size	8 AWG	12 AWG

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