

This general application guide is intended to be used only as an outline in selecting a phase converter. Because of the variations in applications, the converter required may vary from the units shown in this general guide. All converter quotes must come from the factory to ensure proper sizing and application.

APPLICATION	RECOMMENDED UNITS & SPECIAL NOTES				
	ADD-A-PHASE®	ECONO-PHASE® SHIFTER	ROTO-CON®	ROTO-LOAD CENTER®	ROTOVERTER®
Air Compressor – Rotary Screw					•
Air Compressor – Cycling Piston	•				
Aircraft Ground Power Unit (GPU)			•		
Aircraft Hydraulic “Mule”			• Oversized		
Auger (Grain)			• (Without fans)		• (With fans)
Baler – Hydraulic	• Type AA-HE				
Battery Charger			•		
Blender – Fertilizer/Concrete			• Oversized to handle starting load		
Blower – Axial	•				• Fans with augers
Blower – Centrifugal	•				•
Blower – Die Bold	•				
Blower – Dust Collector	•		•		•
Blower – Exhaust	•				•
Blower – HVAC	•			•	
Blower – Pneumatic Grain Handler			•		•
Bridge Crane			• With delta/wye XFMR	•	
Buffer – Floor			• Single panel with oversized rotary		
Car Wash – Automatic					•
Car Wash – Manual Pressure Washer	• If single motor				• If multiple motors
Center Pivot – Multiple Tower Motors			• ROTO-CON Type CP		
Center Pivot – Hydraulic			•		
CNC Equipment			• Single panel with oversized rotary	•	
CNC Router with Vacuum Table				•	•
Compactor – Mechanical			• Oversized		
Compactor – Hydraulic	• Type AA-HE		• Oversized RC		
Compressor – HVAC	•			•	
Compressor – Refrigeration Walk-in	•				
Compressor – Refrigeration Truck					•
Conveyor			• Oversized RC		
Dialysis Machine	•				
Dishwasher			• Sized for total FLA of machine		
Door Opener	• Type HD				
Dough Mixer			• Oversized		
Drill Press		• Light use, not commercial	•		
Edge Bander			•		
Elevator – Cable or Traction			• Type AS-DS - Oversized RC with automatic start & delay stop	• If elevator, uses VFD	
Elevator – Hydraulic	• Type HE-AA				
Embroidery Machine			• Size by amperage, not motor		
Flood Gate	• Type HD				
Grain Leg – Bucket			•		
Grinder – Feed			• Oversized		
Grinder – Wheel			•		
Hammermill			• Oversized RC		
Hoist – Chain		• PS-OF - Can only be used if hoist brake is mechanical and not electrical	• Single panel with oversized rotary must be used if hoist brake is electrical		
Ice Cream Machine – Soft-Serve or Yogurt & Gelato			• Oversized		
Iron Worker			•		
Landfill Flare	•				
Lathe		• Light use and single speed motors ≤5 HP	• Commercial use or other 3ø equipment in shop		
Lift – Hydraulic • Ball & Screw			• Single panel with oversized rotary		
Milling Machine		• Light use	• Commercial use or other 3ø equipment in shop		
Molding Machine – Plastic Injection			• Single panel with oversized rotary		
Paper Cutter – Hydraulic			• Oversized RC		
Paper Cutter – Mechanical			• Oversized for hard started conditions		
Pizza Oven			• Sized for heat load, buck boost transformer may be required		
Planer			• Oversized for hard starting load		
Printing Press or Copier – Electronic				•	
Printing Press – Mechanical			• Oversized		
Pump Jack	• Any other than D motor (1800 or 3600 RPM)	• Design D Motor (Low PF & RPM)			
Pump – Centrifugal	•				
Pump – Fuel/propane	• Not explosion proof				
Pump – Manure • Sewage Lift • Submersible Swimming Pool • Turbine, Vertical Hollow Shaft • Water Booster	•				
Pump – Positive Displacement					•
Punch Press – Hydraulic			•		
Punch Press – Flywheel			• Oversized RC		
Router (not CNC)			•		
Saw – Band Saw		• Small, light use	• Commercial use with other 3ø equipment		
Saw – Chop • Door Panel • Radial Arm • Stone • Table			•		
Sewing Machine (Not Embroidery Machine)		•	• For multiple sewing machines		
Shear – Hydraulic Treat like Other Hydraulic Systems					
Shear – Flywheel • Mechanical			• Oversized		
Test Bench			• Single panel, unloaded or variable testing		• Single panel, full HP continuous testing
Tire Changer			•		
Vacuum Packer					• Type D
Vacuum Table					•
Valve Actuator (MOV)	• Type HD		•		
Variable Frequency Drive			• Buck boost transformer or 3ø D-Y transformer usually required		•
Warning Siren	• Type HD				
Washing Machine			• Oversized		
Welder – Motor Driven			•		
Welder – Resistive			• Sized for resistive load		
Wheel Balancer			• Oversized 2Xs		
Wine Making Equipment			•		•