



## Data Entry Form

### Convert-A-Phase Load Calculation Questionnaire

**CAUTION:** Please Read This! When obtaining voltage readings, use extreme precautions to prevent any possibility of electrocution. Remove all jewelry. Use insulated floor mat & electricians' gloves, etc. Do Not allow body contact with any components when performing voltage checks. When complete, **disconnect** and turn off **all power before you gather** the remaining **information**. If you are not familiar with High Power electrical equipment, do not attempt these measurements! Hire a licensed industrial electrician to do the work.  
Remember, "These voltages can easily kill you!"

- A. **Single Phase Voltage:** measured from Meter Panel \_\_\_\_\_ Volts
- B. **Main Circuit Breaker Amperage:** at the Meter \_\_\_\_\_ Amps
- C. **Single Phase Line Length:** from Utility to Meter \_\_\_\_\_ Feet
- D. **The number or quantity of Meters:** include your service meter, connected to the Electric Utility's transformer. \_\_\_\_\_ Qty
- E. **Wire Length between Single Phase Meter & Phase Converter:** \_\_\_\_\_ Feet
- F. **Wire Length between Phase Converter & 3 Phase Machine:** \_\_\_\_\_ Feet

#### Convert-A-Phase Powered Machine Load List

Line	Machine / Load Type	Startup Sequence	HP (kW)	Amps	Volts	Frame Size	50hz Rated ?	Motor Manufacturer
1								
2								
3								
4								
5								
6								
7								

- G. **3 Phase Load List:** List all 3phasemotor *and* non-motor loads, to be powered by Convert-A-Phase, (use table above).
- H. **Start up Sequence:** if any of these loads start sequential y, enter numerical order, **if they start at the same time, enter a number "1" for each load.**
- I. **Motor Nameplate Data:** enter manufacturer specifications, typically found on motor nameplate. Note: clearly specify any motors rated in "kW" (kilowatts) by entering a "kW" after the power output value, in the "HP" column entry. If motor is rated for 50hz operation enter "Yes" in the *50hz Rated ?* column entry.

**Other Specialized / Voltage Sensitive Loads:**

List any unique / specialized equipment to be powered and the specific power tolerances allowed.

Load Description	Lower Tolerance	Upper Tolerance	Surge Protection Reqmts., Etc.

[Click here for information on Phase Converters](#)