

Convert-A-Phase Load Calculation Questionnaire (Data Entry Form)

CAUTION: Please Read This! When obtaining voltage readings, use extreme pre-cautions to prevent any possibility of electrocution. (I.e. remove all Jewelry, insulated floormat, 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, please 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 (quantity) of Meters ,** including 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	G. Machine/Load Type	H. Startup Sequence	I. H.P. (kW)	I. Amps	I. Volts	I. Frame Size #	I. 50hz Rated ?	I. Motor Manufacturer
1								
2								
3								
4								
5								
6								
7								

G. **3 Phase Load List**, list all 3 phase motor and non-motor loads to be powered by Convert-A-Phase, (use table above).

H. **Start up Sequence**, if any of these loads start sequentially, 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 "H.P." column entry. If motor is rated for 50hz operation enter "Yes" in the "50hz Rated ?" column entry.

J. **Other Specialized / Voltage Sensitive Loads**, please list any peculiar / specialized equipment to be powered and the specific power tolerances allowed.

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