

6000-7000-001

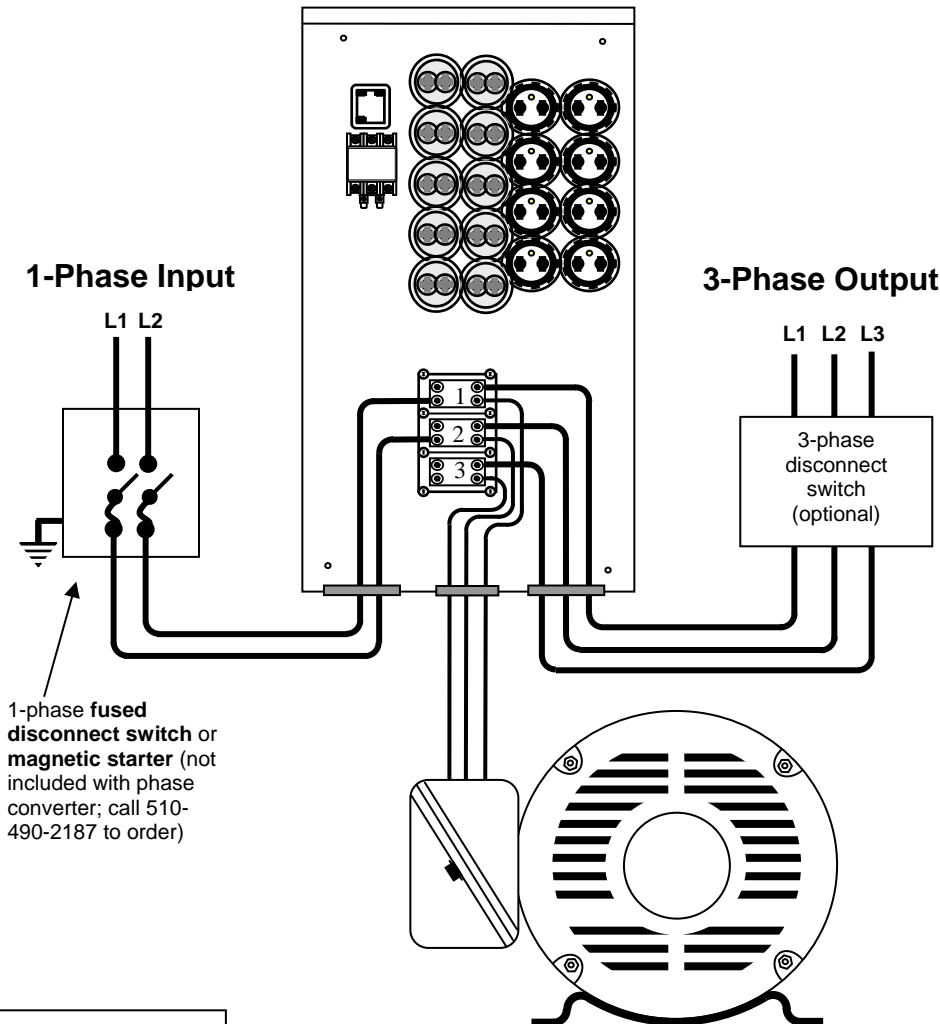
Single Unit installation



### Installation notes

1. This diagram is not intended to replace or supersede any requirements of local, state or national electrical codes.
2. Use only non time delay fuses or a magnetic starter with thermal overloads to protect TEMCo Series 6000 & 7000 Phase Converters.
3. Do not bolt the TEMCo Phase Converter directly to the floor. It is highly recommended that some form of anti-vibration or rubber pad is used between the TEMCo Phase Converter and the floor.
4. No load voltage from L1 – L3 or L2 – L3 will exceed L1 – L2 by (10% on Series 6000 and 5% on Series 7000) (L3 is the generated leg). Voltages will balance when a load is applied.
5. Do not connect control circuits which require ground or neutral (to produce 110V) to the generated Line 3 on the output. This TEMCo Phase Converter provides a 3-phase **DELTA** output. On the output, voltage from L3 (generated leg) to ground / neutral will be 180-220V on a 208-240V system. If a **WYE** (or 4 wire) 3-phase output is required, a 3-phase **DELTA** to **WYE** transformer is required.
6. This TEMCo Phase Converter must always be started before any load is applied (even a non-loaded 3-phase transformer will constitute a small inductive load).
7. All loads must be turned off in the event of a power failure to prevent TEMCo Phase Converter startup with a load applied when the power comes back on. Equipping 3-phase loads with magnetic starters is recommended. A magnetic starter will automatically shut off equipment if power is lost protecting the TEMCo Phase Converter from starting under load when power is restored.

### TEMCo Series 6000/7000 Control Unit



1-phase fused disconnect switch or magnetic starter (not included with phase converter; call 510-490-2187 to order)

### Line Colors

L1: Black  
L2: Red  
L3: Blue

Drawing 6000-7000-001 applies to Rotary Phase Converters Manufactured on or after 11/20/2003

### TEMCo Series 6000/7000 Generator Unit

### TEMCo SUPERIOR ROTARY PHASE CONVERTERS

Tower Electric Motor Company Fremont CA  
Phone: 510-490-2187 Web page <http://www.phaseconverter.com>