

6000-7000-002

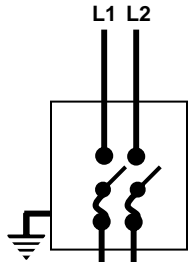
Single Unit installation



Installation notes

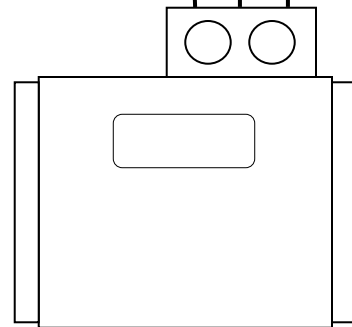
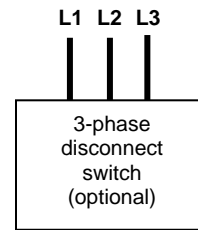
1. This diagram is not intended to replace or supersede any requirements of local, state or national electrical codes.
2. Use only non time delay fuses or a magnetic starter with thermal overloads to protect the TEMCo Phase Converter.
3. Do not bolt the TEMCo Phase Converter directly to the floor. It 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.

1-Phase input

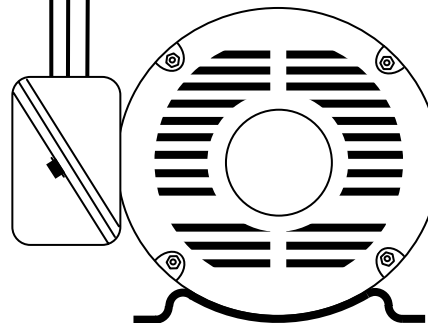


1-phase fused disconnect switch or magnetic starter (not included with phase converter; call 510-490-2187 to order)

3-Phase Output



TEMCo Series 6000 or 7000 Control Unit



TEMCo Series 6000 or 7000 Generator Unit

Line Colors

- L1: Black
- L2: Red
- L3: Blue

Drawing 6000-7000-002 applies to Rotary Phase Converters Manufactured on or after 11/20/2003

TEMCo SUPERIOR ROTARY PHASE CONVERTERS

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