

# MOLONEY ELECTRIC INC.

## SINGLE & THREE PHASE STEP TRANSFORMERS



**Moloney Electric** designs & manufactures **Step Transformers** to suit virtually all applications requiring a simple step up or step down of voltage. Its simplified two winding design offers an economic alternative in connecting systems that have nominally different potentials, for example 4400 and 7200V. This design of a Step Transformer represents an attractive solution, that provides flexibility and connection alternatives between higher voltage systems.

This product sheet lists many of the standard features and benefits of our transformers. But for complete details regarding specific requirements, please contact your local **Moloney Electric** office or one of our authorized local representatives.

### FEATURES & BENEFITS

#### ◆ **Extensive Power Range**

- Single Phase Step Transformers up to 1500kVA
- Three Phase Step Transformers up to 4000kVA
- Voltage ratings up to 46kV, 250kV BIL
- Voltage range of 120V - 44,000V on Primary & Secondary

#### ◆ **Choice of Connections** - Available connections via Porcelain or Epoxy Bushings, Dead-front Elbows and Two & Four Hole Cable Lug Termination Pads.

#### ◆ **Oil Filled & Pressure Tested** ◆ **Built to ANSI C57.12.20**

#### ◆ **Wide Range of Optional Accessories**

- Oil Level Gauge • Pressure Relief Valve at 5 or 10 PSI
- Temperature Gauge • Off Load Tap Changer
- Internal Fault Indicator • Surge Arrester
- Stainless Steel and Mild Steel, Pole or Pad Mounted

### QUALITY MANUFACTURING

**Moloney Electric** follows a methodology that allows for the inner winding, (low voltage), to be created first and then the outer winding, (high voltage), is done on top of that. This allows for a systematic and seamless process of manufacturing and assembly of the transformers. The wire and paper utilized are epoxy coated. When subjected to the high temperatures of the baking process the epoxy on both components combine and bond to form a solid block of insulation. (continued on reverse)

