

MOLONEY ELECTRIC INC.

SINGLE & THREE PHASE 46kV CLASS DISTRIBUTION TRANSFORMERS



Moloney Electric's Single & Three Phase, Pole & Platform Mounted 46kV Class Distribution Transformer represents a breakthrough in providing an affordable solution that meets the unique needs of our customers. It allows utilities to supply individual customers directly from 44kV or 34.5kV power lines rather than having to rely on a series of voltage transformation systems. These versatile units can also be used for power station service requirements.



Moloney has applied state of the art design methodologies to the **46kV Class Distribution Transformer** in order to produce a unit that more fully takes into account the impact of the environments, and which meets all the applicable industry standards (e.g. ANSI, CSA, etc.). Utilizing the latest in coil winding technology, this transformer features coils that stand up to predictable system stresses, and its connection and mounting provisions allow for easy installation and worry free maintenance.

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

FEATURES & BENEFITS

◆ **Performance Specifications**

- Extensive Power Range from 5 kVA to 2500 kVA
- Frequency: 60Hz • Primary Line Voltage: 46kV Class
- Primary Winding BIL: 250kV
- Primary Winding Taps: ± 2 to 2.5% standard or customized to meet customer requirements
- Secondary Line Voltage: 120/240V, 277/480V, or customized to meet specific customer requirements
- Secondary Winding BIL: 30kV or higher

◆ **Fully Rated 46kV, 250kV BIL Porcelain or Epoxy Moulded Bushings, complete with Eye Bolt Connector**

◆ **Provision Available for Surge Arrester**

◆ **Pressure Relief Valve or Internal Fault Indicator**

◆ **Choice of NEMA Pad or Eye Bolt Type Secondary Bushings**

◆ **Tank Ground, LV Ground & Tank to Cover Ground Strap**

◆ **Choice of Mild Steel or Stainless Steel Tank, with Epoxy Powder Paint Coating Finish on all Units**



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OPTIONS & ACCESSORIES AVAILABLE

- ◆ *Surge Arresters* ◆ *Off Load Tap Changers*
- ◆ *Liquid Level Gauge* ◆ *Oil Temperature Gauge*
- ◆ *Hanger Mounting Brackets or Platform Base*

QUALITY MANAGEMENT

Moloney Electric Inc. is registered to the **ISO 9001-2000 Quality Standard**. Our highly trained quality management personnel monitor the design, manufacturing and testing processes to ensure that only the best possible product is delivered to our customers. In addition, our production staff is trained to inspect the work being performed at each stage, always seeking opportunities for more improvement and ensuring that any concerns are promptly addressed with the necessary corrective action.

TRADITION OF EXCELLENCE

Moloney Electric has been a leader in the design and manufacturing of distribution transformers and related products for over 100 years. Our technological innovations and advanced manufacturing capabilities have allowed us to become a value-added partner to many of the world's most respected providers of electrical energy.

Our comprehensive range of quality products includes **Three Phase Transformers up to 4.0MVA, Single Phase Transformers up to 1000kVA, Submersible Transformers** and much more.

For further information on any of our products or on our Value-Added Partnering Program, please contact your local **Moloney Electric** office or one of our authorized local representatives.

Act now to reduce your costs! Install a Moloney 46kV Class unit today!

Moloney Electric Vision Statement

To be recognized as a reliable supplier of transformers, whose committed team of knowledgeable employees consistently meets the expectations of our customers and shareholders

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