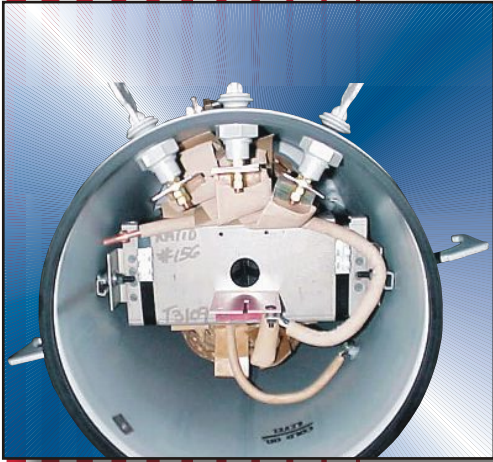


MOLONEY ELECTRIC INC.

SINGLE PHASE POLEMOUNT/PLATFORM TRANSFORMERS - 5 to 1000 kVA



Moloney Electric has over a century of experience and expertise in the design and manufacture of distribution transformers. Our comprehensive **Single Phase** product line includes **Polemount, Platform, Vault Type** and extra high voltage designs for either station service or remote applications. Separate product sheets and specification lists are available for various individual models of our transformers.

These durable transformers have been field proven to provide reliable service in various regions of the world, in even the harshest climates. Our flexible design concept and multiple manufacturing facilities allow us to meet special customer requirements with short lead times and at an affordable price.

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: 5 kVA to 1000kVA.**
- ◆ **Temperature Rise: 55°C or 65°C.**
- ◆ **Cooling Types: ONAN, OA, LNaN.**
- ◆ **Frequency: 50Hz or 60Hz.**
- ◆ **High Voltage: 0.6kV to 46kV, up to 250kV BIL, including series multiple voltages.**
- ◆ **Low Voltage: 120/240 through 15kV.**
- ◆ **Taps: None or 4-2.5% are standard. Other special combinations can be provided.**
- ◆ **HV Bushings: Cover & Sidewall mounted available in porcelain, bushing well or epoxy moulded style.**
- ◆ **LV Bushings: Cover & Sidewall mounted are available in different configurations and types to meet your specific requirements.**
- ◆ **Pressure Relief Valve or Internal Fault Indicator**
- ◆ **Core & Coil Designs are Optimized to provide lowest total cost of ownership based on your specific needs.**
- ◆ **Wide Range of Options & Accessories**
 - Oil Level Gauge • Upper Filter Press Connection
 - Drain Valve • Top Oil Thermometer
 - Choice of Various Fusing & Protection Arrangements, including LV Breakers & HV Interrupting Devices
 - Stainless Steel and Mild Steel Tanks
 - Units can be offered as Pole Mounted or Platform Mounted, depending on total design weight

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QUALITY MANUFACTURING



Like all of Moloney's quality distribution transformers, our single phase units are manufactured and tested to provide enhanced performance, low maintenance cost, extended product life, and reduced downtime revenue losses.

Units are manufactured & tested in accordance with applicable industry standards, including **CSA, ANSI, IEC 76**, or other applicable standards.

The following tests are performed on each unit in accordance with the applicable standard.

- ♦ ratio on each voltage connection including tap connections
- ♦ angular displacement
- ♦ exciting current at rated voltage
- ♦ no load loss, load losses, and impedance at rated current
- ♦ combination applied and induced voltage
- ♦ pressure test at 50 kPa
- ♦ impulse test (as required)

The following Type Tests are performed on all new designs and can be performed on one unit of a specific order if requested. Equivalent data will be provided where available:

- ♦ resistance of HV and LV windings at rated voltage connections
- ♦ temperature rise
- ♦ radio influence voltage

Short Circuit Type Test data is also available and the test can be performed, if required, at an independent lab.



OUTSTANDING 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 improvement and ensuring that any concerns are promptly addressed with the necessary corrective action.

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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