



**REX POWER MAGNETICS**

## ***Rex Power Magnetics Cast Coil Transformers***

***Completely Cast and Assembled in North America***

***\*\*\*UL APPROVED\*\*\****

*Cast Coil type transformers offer the greatest degree of protection against the presence of moisture and atmospheric pollutants, which otherwise adversely affect the performance and life-expectancy of dry type transformers. Cast Coil Transformers are highly suitable for installation in such harsh environments. Cast Coil construction offers the following benefits:*

### **HIGH OVERLOAD CAPABILITY:**

Due to the longer thermal time-constant of cast coils in comparison with conventional ventilated dry type transformers, higher short-time overload capabilities are possible.

### **ENVIRONMENTALLY FRIENDLY:**

Cast Coil transformers contain only chemically non hazardous materials

### **SAFETY:**

Cast Coil transformers are self extinguishing, virtually eliminating the possibility for fire or explosion. Installations do not require special fire protection systems.

### **HIGH IMPULSE VOLTAGE STRENGTH:**

The impulse voltage withstand capability of Cast Coil transformers is higher than conventional dry types and is comparable to liquid filled units

### **MAINTENANCE:**

Cast Coil type transformers are virtually maintenance free due to the smooth crevice-free construction of the coils. With proper precautions cast coil units can be installed at ambient temperatures as low as  $-25^{\circ}\text{C}$  and can be energized from a cold start.

### **HIGH SHORT CIRCUIT STRENGTH:**

The fiberglass reinforced solid cast construction provides superior mechanical strength with the highest short circuit withstand capability of all transformer types, including that of liquid-filled units.

