DECATUR INDUSTRIAL ELECTRIC

ELECTRIC MOTOR REPAIR SPECIALISTS

Our U.L. certified motor repair facilities are regarded as some of the finest in the industry. Every motor is thoroughly inspected to determine the cause of failure, the data is then permanently recorded, all work is then performed by experienced personnel in accordance with EASA, NEMA, AFBMA, ASTM, IEEE, API, and OEM guidelines. Tests and inspections are performed on the rotor, stator, and mechanical components throughout the repair process providing important information concerning the performance of each motor. A final inspection and test insures only the highest level of quality is being delivered to our customers. Here are some features that set our motors apart.

Dynamically balanced rotors are critical to the life of the motor. The slightest deviation from the standard can result in excessive vibration which causes additional wear on the bearings and premature motor failure. Precision electronic equipment is used to carefully balance every motor and shaft assembly to assure delivery of a reliable motor. Our balancing machines are ISO certified to assure you quality.

Full machining capabilities from precision grinding of bearing journals to milling stator feet allows us to have complete control of critical quality.

D.I.EnduraLast™ Global Insulation

More than just a VPI...Our global premium designed insulation system has been designed and tested to withstand a wide range of environmental conditions, along with thermal shock and voltage stress. Its non-hygroscopic insulation components penetrate and coat the stator to help resist moisture and prevent motor failure.

Since 1985, we have used Vacuum Pressure Impregnation (V.P.I.) to remove air, moisture and volatiles from windings, and to provide more thorough impregnation with conventional dip & bake processes. The pressure cycle leaves no voids, deep penetrating channels, or a weak structure.

Environment Resistance = Reliability

Our unique D.I.EnduraLast™ Global Insulation system creates a superior barrier to environmental contaminates.

Better Thermal Conductivity = Longer Insulation Life

No air pockets or voids are left to retard heat transfer from the winding to the stator core. With better heat transfer, thermal aging of the insulation is reduced (For each 10°c of temperature rise above insulation class, the insulation life is decreased by 50%).

Greater Mechanical Strength = Durability

Withstands more demanding duty cycle. The complete impregnation by the solventless resin used in our facilities' V.P.I. system virtually eliminates coil movement that would normally occur during motor starting and shock loads.

Improved Voltage Endurance

The V.P.I. insulation system produces a completely solid insulation structure, thereby almost totally eliminating corona and tracking.

SIEMENS

Certified NEMA & Above NEMA Motor Repair Service Center, Warranty Center, Super Modification Center & the #1 Distributor!!!

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