

## T-LAM™ Technology

### New T-LAM™ Segmented Lamination Technology

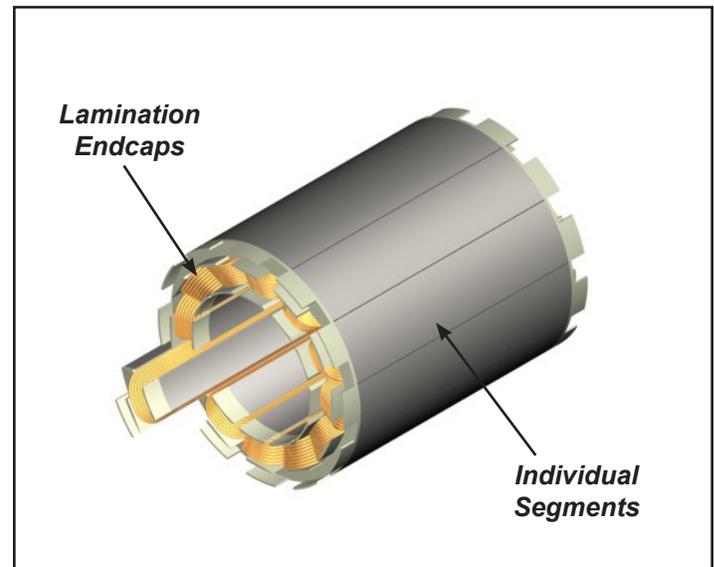
Exlar's new T-LAM™ technology incorporated into the motor design provides a solution with 35% more motor torque. These efficiencies are a result of the limited heat generation qualities inherent in the segmented stator design. The elimination of end turns in the stator, and the use of thermally conductive potting removes the parts most susceptible to failure in a traditional motor.

### T-LAM™ Advantages

Exlar's T-LAM™ segmented lamination stator technology provides a 35-50% increase in continuous motor torque over traditional motor windings. T-LAM™ technology consists of stator segments, each containing individual phase wiring for maximum motor performance. T-LAM™ improves efficiencies which results in reduced heat generation qualities inherent in the segmented stator design as seen below. The elimination of end turns in the stator and use of thermally conductive potting increases the robustness of the components.

### Other benefits of the new T-LAM™ technology include:

- Neodymium iron boron magnets provide high flux density and maximum motor torque.



- Thermally conductive potting of the entire stator provides increased heat dissipation and provides protection from contamination in oil-cooled units.
- Each stator segment contains individual phase wiring. External winding of individual segments provides maximum slot fill for maximum motor performance.
- Motors with T-LAM™ technology offer a Class H, 180 degree C, 460Vrms (700VDC) insulation system compliant with UL requirements
- 130 degree C continuous rated motor stator temperature
- UL recognized component
- CE compliant