

VVVF Elevator Hoist Motors



Designed Right, Built Right

Comprehensive Product Line

- 7.5 HP through 75 HP, open drip-proof enclosures
- 1200 RPM and 900 RPM, high acceleration torque, low current draw, Elevator Duty designs
- 200, 230/460 and 575 Volt ratings. 60, 40 and 30 Hertz designs
- More efficient, lower current, 30 and 40 Hertz designs can result in reduced drive size
- Normally closed thermostats, one per phase

Tough Standards

- Dynamic Balanced per NEMA to assure smooth, vibration free car operation
- Ground tested at the winding stage, surge and ground tested before final assembly then given a commercial test per NEMA

Increased Motor Life

Our Enhanced Class F Insulation System handles the wave front voltages and dvdt levels that are major factors affecting elevator motor insulation life. Phase insulation, slot liners and wedges are high dielectric strength materials.

A two component, 100% reactive, solventless polyester resin Class H varnish is used to impregnate the hoist motor stators. This varnish provides superior protection and strength as well as being in compliance with industrial environmental regulations.

Lincoln's insulation system exceeds the requirements for inverter-fed motors per NEMA MG1, Part 31.

Designed For Quiet Performance

Low noise and low vibration are the results of our superior design. This superior design features a rigid steel frame construction which is further strengthened with cast iron end brackets and full length heavy cast steel feet, complete with gussets, for the full length of the motor frame.

Our hoist motors are provided with elevator shaft end play and oversized ball bearings with two pre-loading bearing washers to insure quiet bearing operation and centering of the rotor.

A standard one inch diameter stub shaft for encoder mounting is machined as an integral part of the AISI 1045 hot rolled, medium carbon steel shaft (not a press in or bolt on piece that may require alignment).



A REGAL-BELOIT COMPANY

28300 Euclid Ave. Suite 100, Cleveland, OH 44092

Phone 216-731-4790 • Fax 216-731-5401

www.lincolnmotors.com



Made in the U.S.A.

Think Experience.

Serving the Elevator Industry Since 1908

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