

# 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).

Think  
Experience.

Serving the  
Elevator Industry  
Since 1908



A REGAL-BELOIT COMPANY

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Made in the U.S.A.

VVVF  
Elevator  
Hoist  
Motors

# Hydraulic Elevator Pump Motors

Think  
Experience.



**NOW IN STOCK!**

## The Lincoln Experience

### Two Motors In One

Our Hydraulic Elevator Pump Motors give you the flexibility of 80 and 120 starts per hour and we proudly display this fact on our nameplate. Designed for the demands of belt-driven pumps, we offer this foot mounted, open drip-proof 1800 RPM motor in 10 HP – 100 HP.

We made sure the motors could be connected for Wye Start/Delta Run or started and run on the Delta connection.

Of course, it is three phase, 60 Hz and is available for 200, 230/460 and 575 volts operation. We have incorporated rigid construction for low noise and low vibration to insure customer satisfaction. And yes, it is built to NEMA dimensions.

### We Have Smaller Versions Too!

We build smaller motors with most of the same features as their big brothers. For applications requiring less horsepower, we offer 5, 7.5, and 10 HP at 1800 PRM. These are dry type with open drip-proof enclosures. Designed strictly for 80 starts per hour, these motors are Wye Wound for electronic start or across the line starting.

No matter what your needs in lift capacity, the Lincoln experience has the right motors for you.

Flexibility, designed tough, and quiet running. That's why you should choose **Lincoln's Experience** for your next hydraulic elevator application.

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O HYDRAULIC ELEVATOR PUMP MOTOR O	<p>MADE IN USA 1-800-MOTOR-4-U</p>	PRODUCT LM28286 FR. 286T IAMB 40 °C ENCL. ODP DUTY SPL INS. F CODE G/H DES B/A PH 3 IIP BRGS DRIVE/APP 310/209 IIC	O EST 1907  LR2025 CE IEEE 31-3 CC0004A O
		MODEL NUMBER SD4P25/30T61YEH2 HP 30 80 STARTS/HR HP 25 120 STARTS/HR RPM 1780 KW 22.4 RPM 1782 KW 18.6 HZ 60 EFF. 92.4 HZ 60 EFF. 92.4 VOLT 230/460 VOLT 230/460 FLA 80/40 FLA 71/35.5 SF 1.0 PF(cos) ▽ 75.5 SF 1.0 PF(cos) ▽ 74.5 SFA SFA	
		LOW VOLTAGE 	HIGH VOLTAGE 

**Lincoln**<sup>TM</sup>  
**MOTORS**

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5029L/NP-BH/06-05/3K/TP

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Elevator  
Pump  
Motors