

Q Series

The Next Generation of Freight Elevator Doors

LP25 Motor

FEATURES

Modern motor technology, combined with innovation, results in the new LP25 freight door motor.

- **Easy to Install.** Light weight and mounts with just three bolts.
- **Durable.** Oversized, sealed ball bearings for exceptional life.
- **Compact.** Fits within normal car-to-sill running clearance.
- **Protected.** Totally enclosed, non-ventilated cast aluminum housing.
- **Convenient.** Built-in junction box with conduit entrance.
- **Rugged.** Twice the stall rating of any similar style motor available in the industry.

APPLICATIONS

The LP25 Motor is used on all Courion "Q" Style Freight Doors. The LP25 Motor mounts directly to Courion's LP25 Operator (Part #02-250000).



Courion Part Number 90-854000

There is nothing like it in the freight elevator door market.

Easy to install, low maintenance, and long life - the Courion LP25 Motor.

Call Courion today for more information on the LP25 Door Motor.

Technical Data on the backside



3044 Lambdin Ave.
St. Louis, Missouri 63115
1-800-533-5760 1-314-533-5700
1-314-533-5720 (fax)
e-mail: Sales@CourionDoors.com

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Motor Properties

Housing - totally enclosed, non-ventilated, aluminum die cast housing measuring 6-1/2" x 6-1/2" x 1-7/8" (165mm x 165mm x 48mm) not including the integral junction box.

Junction Box - Cast aluminum with gasketed cover measuring 3.0" x 1-3/4" x 1-3/4" (76mm x 44mm x 44mm). Integral with motor with 1/2" (13mm) NPT opening for electrical conduit.

Bearings - Output shaft bearings are fully sealed, 1-27/32" (46mm) O.D. Rear bearings are fully sealed, 1-3/8" (35mm) O.D.

Spline Gear - 8 tooth fast helical, 20 degree pressure angle.

Electrical Properties

230 VAC, 3 PH, 60 H.Z.
600 RPM - 1.4 A - Class H

Duty

Minimum torque at stall	24.5 oz. ft.
Average test result - cold	28.0 oz. ft.
At 10 minute stall	24.5 oz. ft.

Temperature rise at 10 minute stall - Labeled 40 C ambient - 135 C rise.

Average test result - 24 C ambient - 116 C rise

Labeling

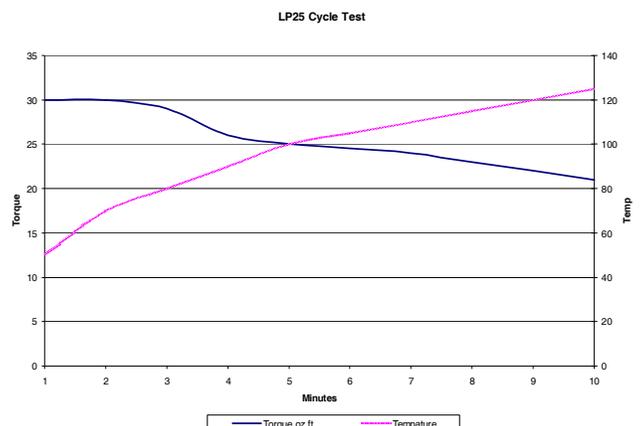
- CSA
- RU (registered UL component)

Cycle Testing and Use

Freight elevator doors systems are very different from passenger door systems. Freight elevators are generally single automatic push button operations. In a typical freight elevator cycle, the freight elevator doors are opened at a floor, freight is loaded and the doors are closed. The elevator then travels to the destination floor where the door cycle repeats with a different set of door motors opening the doors. This cycle of operation allows freight elevator door systems to use an intermittent duty door motor small enough to fit in the space allowed for the freight door operator.

Courion's LP25 intermittent duty motor has over twice the stall rating of any similar motor in the industry. You will receive superior performance from this motor if the freight door operation is within the following operating cycle -

- Close the freight doors under power and move car to the desired level.
- Allow doors to automatically open.
- Allow for normal freight movement (one (1) minute standard)
- Close the freight doors under power and move car to the desired level.



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