

The "Next Generation"

The Next Generation of Freight Elevator Doors

LP25 Low Profile Door Operator

COURION has combined modern motor technology with design innovation, to create the new LP25 Freight Door Motor and Operator. There is nothing like it in the freight elevator door market. Easy to install, low maintenance, and long life - the COURION LP25 Operator.

EASY TO INSTALL. Light weight and mounts with just three (3) 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.



Courion Part Number 02-250001



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Part Number 90-854000

Cycle Testing and Use

Freight elevator door 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.

SPECIFICATIONS

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 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 hz. 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)

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