



Photo courtesy of Elevation Innovation Inc.

Product

Speed Reducers with Motors

Application

Dumbwaiter Systems

Highlights

- Series 700 speed reducers with PosiVent® mounted to 1/2HP motors supplied for smaller dumbwaiters
- Series 800 right angle helical worm gear speed reducers mounted to 1-1/2HP motors supplied for 500 lb. capacity dumbwaiters
- All components meet ASME A17.1 elevator code for dumbwaiters

A major OEM needed reliable, compact speed reducer/motor packages for their line of quality commercial and residential dumbwaiters. Fully automatic controls allow the car to be sent or called from any floor. The car automatically stops at landing levels.

Based on Boston Gear's industry leading reliability, the customer specified maintenance-free, Boston powertrain components for use on their entire dumbwaiter product offering.

For dumbwaiter models with 75 lb. to 250 lb. capacities, Boston Gear provided 700 Series worm gear speed reducers mounted to 1/2HP motors. The 700 Series reducers feature PosiVent®, an entirely unique pressure compensation system that eliminates the need for breather vents and leaves the traditional "bladders" offered by some other gearbox companies in its dust. The patented PosiVent has a single seam, unlike competitive versions whose multiple seams are often the source of leakage or failure.

800BR Series right angle helical worm gear speed reducer/1-1/2HP motor packages were supplied for dumbwaiter models with a 500 lb. capacity. The double reduction units feature flanged input for direct motor mounting. All Boston Gear speed reducer/motor packages provided meet ASME A17.1 elevator code for dumbwaiters.

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