



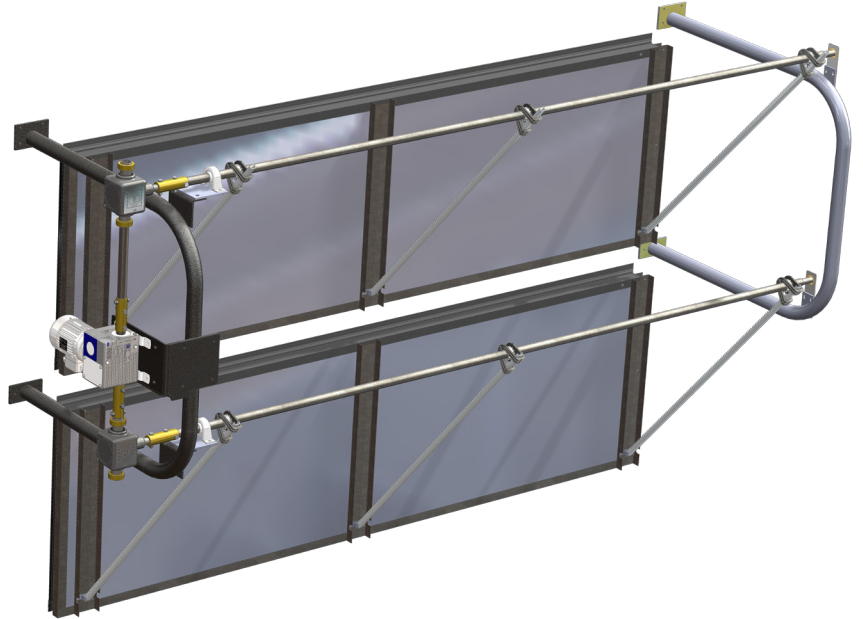
# Horizon Tunnel Doors

## Horizon Series

We designed the tunnel door system from the ground up looking into every detail to give the customer the best product and the easiest assembly on the market.

### Features

- Custom designed actuator, rack and pinion system
- Multi-row control using a single actuator
- The door uses a unique closed cell foam which offers 30% additional R-Value, pushing the Horizon Door to an R-Value of 8, topping the market
- Doors open to near 90° for maximum airflow
- Designed for easy assembly with welded bracketry, minimum fasteners and minimum adjustments
- Powder coated tubing and bracketry, along with outdoor rated actuator and gear transmission unit
- Fire rated materials available



Horizon Tunnel Door

Available in door sizes of 36" or 42" heights and built to any length the system can fit any sized building opening. Custom engineered designs to maximize the actuator capabilities, along with years of experience with rack and pinion applications make this system uniquely suited for the tough conditions of the layer market.

Foam doors with molded fiberglass exterior are the perfect material for this application to give the system many advantages like best r-value, best rigidity to weight ratio, and eliminates water leaks. The door material is designed to keep light out when closed. To keep the building tight there is one inch seal around the doors which provide a tight seal when the door closed is not in use.

The framework is entirely powder coated with the support tubes and brackets welded in place to precisely locate your motor and rack and pinion system. This makes assembly very easy with no guess work or sliding clamps.



Powder coated framework and actuator

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### Drive Components

- Full 5-Year warranty on actuator
- Weatherproof gear drive with stainless steel shaft and special gear oil – IP55
- Dynamic self-locking drive units
- Service life full load capacity is rated for 20-year-life
- Motor is wired from the factory
- Speed 4 – 6 RPM
- Thermally protected
- Heavy duty aluminum rack and pinion
- Right angle gear deflector requires no hardware to install
- Single row of tube can drive multiple rows of doors
- Operating range: -40°F to 185°F
- Drives carry UL/CSA Designation

### Framing and Seals

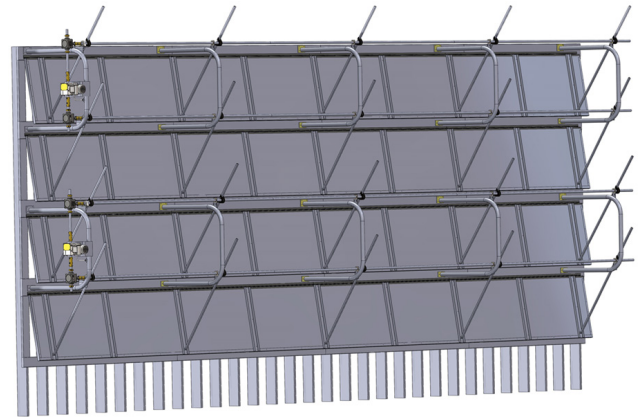
- Brackets pre-welded to frame tubes and entire system is powder coated to prevent corrosion
- Industrial seal attached to the wall ensures door closures is tight with no leaks

### Assembly

- Welded brackets make assembly very easy for positioning the motor, gear drives, rack and pinion in the correct location
- Side and bottom edge pieces are pre-drilled holes to make attachment easy
- Easy to connect doors
- Rack and pinion attaches via clevis pin to door
- Angled gear drive requires no fasteners

### Door Components

- Rigid door with molded exterior corrosion resistant fiberglass sheeting
- r-value 8
- Unique fiberglass skinned closed cell process creates a water resistant shell
- Pre-assembled flexible hinge on door
- Fire-retardant panels are available
- Foam core is rated class 1 with flame spread 25 and smoke developed <250 per ASTM E84
- FRP exteriors are rated class 1 with flame spread 20 and smoke developed 40 per ASTM E84
- PVC Extrusions have a V-0 UL-94 rating



## TUNNEL DOORS BUILT FOR YOUR PERFECT CLIMATE

